

TCS PAPER ON 17th JULY 2008

Hi I am Sukhi Tandan from Bit mesra Ranchi MTech Computer science . we were having on campus drive of TCS on 15 ,16 & 17 July 2008.All together there were 730 were there,650 cleared the written test and finally 264 got through the Campus, And I was one of them. All the aptitude Questions were repeated from previous year papers from TCS. For critical reasoning section go through the GRE 12th edition, it is available on the net. Even if u r not able to solve that just mug up the answers. But its my sincere request to u please understand the fundamentals behind each questions .they are changing the names and sequence of the questions too. better if u understand it

First there will be PPT from TCS .U MAY ASK SOME GENUINE QUERY TO THEM .BUT NO NONSENSE QUERIES and make your own ID. Then they will give u the details of online test. There is no sectional cut off ,attempt as much question from aptitude section, as most of them are repeated

There will be three section

- 1.English 32 questions 20min
- 2.Aptitude section 38ques 40 min.
- 3.critical reasoning 12ques 30min.

Online Written Test...

1.ENGLISH SECTION: PLEASE HAVE A LOOK ON THESE:

We had 10 synonyms and 10 antonyms For each of the words in Capital letters, choose from among the answers, the word that is closest in meaning:

Q No. 1 GARRULOUS

(a) Arid (b) Hasty (c) Sociable (d) Quaint (e) Talkative

Q No. 2 INTER

(a) Bury (b) Amuse (c) Relate (d) Frequent (e) Abandon

Q No. 3 CHIMERICAL

(a) Developing (b) Brief (c) Distant (d) Economical (e) Fantastic

Q No. 4 BROCHURE

(a) Opening (b) Pamphlet (c) Censor (d) Bureau (e) Pin

Q No. 5 EQUANIMITY

(a) Clamour (b) Disparity (c) Composure (d) Propensity (e) Indivisibility

Q No. 6 GALLEON

(a) Liquid measure (b) Ship (c) Armada (d) Company (e) Printer's proof

Q No. 7 REGAL

(a) Oppressive (b) Royal (c) Major (d) Basic (e) Entertain

Q No. 8 MUSTY

(a) Stale (b) Necessary (c) Indifferent (d) Nonchalant (e) Vivid

Q No. 9 INDIGNITY

(a) Pomposity (b) Bombast (c) Obeisance (d) Insult (e) Message

Q No. 10 CANDID

(a) Vague (b) Outspoken (c) Experience (d) Anxious (e) Sallow

For each of the words in capital letters, choose from among the answers, the closest word that has the opposite meaning:

Q No. 11 REPUDIATE

(a) Hesitant (b) Neutrality (c) Admit (d) Polite (e) Incongruity

Q No. 12 CREDIT

(a) Believe false (b) Treat as equal (c) Make more difficult (d) Underemphasize (e) Irresolute

Q No. 13 TENACIOUS

(a) Fast-running (b) Intention (c) Obnoxious (d) Holding fast (e) Irresolute

Q No. 14 PRECIPITATE

(a) Intricate (b) Devious (c) Posthumous (d) Dilatory (e) Contradictory

Q No. 15 QUIXOTIC

(a) Slow (b) Abstemious (c) Pragmatic (d) Benevolent (e) Grave

Q No. 16 ADMONITION

(a) Premonition (b) Hallucination (c) Escape (d) Commendation (e) Trepidation

Q No. 17 PROCLIVITY

(a) Prodigality (b) Avoidance (c) Credence (d) Calumny (e) Inception

Q No. 18 OMNISCIENCE

(a) Power (b) Extravagance (c) Magnanimity (d) Conscience (e) Ignorance

Q No. 19 PRECIPITIOUS

(a) Cooperative (b) Cautious (c) Inaccurate (d) Formal (e) Simplistic

Q No. 20 PROTRACT

(a) Defy (b) Supplement (c) Postpone (d) Shorten (e) Design

For each of the words in Capital letters, choose from among the answers, the word that is closest in meaning :

Q No. 1 CONTROVERT

(a) Turn over (b) Contradict (c) Mind (d) Explain (e) Swing

Q No. 2 MIRAGE

(a) Dessert (b) Illusion (c) Water (d) Mirror (e) Statement

Q No. 3 INTERDICT

(a) Acclaim (b) Dispute (c) Prohibit (d) Decide (e) Fret

Q No. 4 INCONTINENT

(a) Insular (b) Complaisant (c) Grass (d) Wanton (e) Faults

Q No. 5 GADFLY

(a) Humourist (b) Nuisance (c) Scholar (d) Bum (e) Thief

Q No. 6 DECIMATE

(a) Kill (b) Disgrace (c) Search (d) Collide (e) Deride

Q No. 7 MESMERIZE

(a) Remember (b) Hypnotize (c) Delay (d) Bore (e) Analyze

Q No. 8 SEDATE

(a) Unify (b) Immunize (c) Tranquilize (d) Stimulate (e) Injure

Q No. 9 DECOROUS

(a) momentary (b) Emotional (c) Suppressed (d) Proper (e) Unexpected

Q No. 10 REPUGNANCE

(a) belligerence (b) Tenacity (c) Renewal (d) Pity (e) Loathing

For each of the words in capital letters, choose from among the answers, the closest word that has the opposite meaning:

Q No. 11 TANTAMOUNT

(a) Not negotiable (b) not equivalent (c) Not ambitious (d) Not evident (e) Not relevant

Q No. 12 ABIDE

(a) Retract an offer (b) Refuse to endure (c) Shield from harm (d) Exonerate (e) Welcome

Q No. 13 PROSPEROUS

(a) Disengage (b) Impoverished (c) Refute thoroughly (d) Answer hypothetically (e)

Consider genuinely

Q No. 14 VOUCHSAFE

(a) Postpone (b) Dissemble (c) Endanger (d) Prohibit (e) Justify

Q No. 15 CAVIL

(a) Discern (b) Disclose (c) Introduce (d) Flatter (e) Commend

Q No. 16 BOORISH

(a) Juvenile (b) Well mannered (c) Weak minded (d) Unique (e) Concealed

Q No. 17 ANTITHETICAL

(a) Qualitative (b) Unnatural (c) Deceptive (d) Supportive (e) Noncommittal

Q No. 18 REVILE

(a) Compose (b) Awake (c) Deaden (d) Praise (e) Secrete

Q No. 19 DESULTORY

(a) Apologetic (b) Independent (c) Laudatory (d) Questionable (e) Methodical

Q No. 20 ASSUAGE

(a) Wane (b) Belie (c) Worsen (d) Intervene (e) Presume

For each of the words in Capital letters. Choose from among the answers, the word that is closest in meaning :

Q No. 1 CLEFT

(a) Split (b) Waterfall (c) Assembly (d) Adherence (e) Surplus

Q No. 2 ISOTROPIC

(a) Feeling cold (b) Being isolated (c) Showing warm (d) Having uniformity (e) Creating wealth

Q No. 3 TAWDRY

(a) Orderly (b) Meretricious (c) Reclaimed (d) Filtered (e) Proper

Q No. 4 FURTIVE

(a) Underhanded (b) Coy (c) Brilliant (d) Quick (e) Abortive

Q No. 5 EQUANIMITY

(a) Clamour (b) Disparity (c) Composure (d) Propensity (e) Indivisibility

Q No. 6 INCRIMINATE

(a) Exacerbate (b) Involve (c) Intimidate (d) Lacerate (e) Prevaricate

Q No. 7 INTREPID

(a) Cold (b) Hot (c) Understood (d) Callow (e) Courageous

Q No. 8 INNOCUOUS

(a) Not capable (b) Not dangerous (c) Not eager (d) Not frank (e) Not peaceful

Q No. 9 TRANSLUCENT

(a) Clear (b) Opaque (c) Movement (d) Efficient (e) Telepathy

Q No. 10 BRACKISH

(a) Careful (b) Salty (c) Chosen (d) Tough (e) Wet

For each of the words in capital letters, choose from among the answers, the closest word that has the opposite meaning:

Q No. 11 COMPLY

(a) Simplify (b) Strive (c) Rebel (d) Unite (e) Appreciate

Q No. 12 RETROSPECTION

(a) Introversion (b) Deliberation (c) Anticipation (d) Gregariousness (e) Equivocation

Q No. 13 HAPLESS

(a) Fortuitous (b) Fortunate (c) Fortifield (d) Forbidden (e) Forestalled

Q No. 14 PRECIPITATE

(a) Intricate (b) Devious (c) posthumous (d) Dilatory (e) Contradictory

Q No. 15 SEDULOUS

(a) Tangential (b) Rampant (c) Esoteric (d) Morose (e) Indolent

Q No. 16 HAMPER

(a) Feed (b) Animate (c) Facilitate (d) Treat lightly (e) Caution tactfully

Q No. 17 URBANE

(a) Civic (b) Remote (c) Deceptive (d) Conventional (e) Naive

Q No. 18 DISINGEOUS

(a) Naive (b) Accurate (c) Hostile (d) Witty (e) Polite

Q No. 19 TRACTABLE

(a) Incoherent (b) Advisable (c) Simplistic (d) Influential (e) Uncooperative

Q No. 20 PROPITIOUS

(a) Adjacent (b) Clandestine (c) Contentious (d) Unfavourable (e) Coy

2. FILL THE BLANKS:

Observe the dilemma of the fungus; it is a plant, but possesses no chlorophyll. While all other plants put the sun's energy to work for them combining the nutrients of ground and air into the body structure. _____ 1 _____. Chlorophyll is found in these other plants which, having received their energy free from the sun, relinquish it _____ 2 _____.

In this search of energy, the fungus has become the earth's major source of rot and decay. Wherever you see mould forming on a piece of bread, or a pile of leaves turning to compost, or a bloom down tree becoming pulp on the ground, _____ 3 _____.

With fungus action, the earth would be pooled high with _____ 4 _____.

In fact, certain plants which contain resins that are _____ 5 _____. Specimen of the redwood tree, for instance can still be found _____ 6 _____.

- A. You are watching a fungus acting.
- B. Resting on the forest floor centuries after having been cut down.
- C. Responsible for decomposition of much plant life.
- D. Fungus must look elsewhere for an energy supply.
- E. Cannot produce their own store of energy.
- F. The dead plant life of past centuries.
- G. At some point in their cycle either to animal or to fungi.
- H. Fungus is vastly different from other plants.
- I. Toxic to fungi will last indefinitely.

3.AND A PASSAGE

QUANTITATIVE APTITUDE SECTION

1. Two pencils costs 8 cents, then 5 pencils cost how much

Sol: 2 pencils è 8 cents => 1 pencil è 4 cents

Therefore 5 pencils cost = $5 * 4 = 20$ cents.

2. A work is done by two people in 24 min. one of them can do this work a lonely in 40 min. how much time required to do the same work for the second person.

Sol: (A+B) can do the work in = $1/24$ min.

A alone can do the same work in = $1/40$ min.

B alone can do the same work in = (A+B)'s - A's = $1/24 - 1/40 = 1/60$

Therefore, b can do the same work in = 60 min.

3. A car is filled with four and half gallons of oil for full round trip. Fuel is taken $1/4$ gallon more in going than coming. What is the fuel consumed in coming up?

Sol Before the trip, car is filled with = $4 \frac{1}{2}$ gallon of oil

Let 'X' be the quantity of fuel consumed for the trip in one direction

The fuel consumed while going = $X + \frac{1}{4}$

The fuel consumed while coming = X

Therefore, the fuel consumed for the trip = $(X + \frac{1}{4}) + X = 4 \frac{1}{2}$

$\delta 2X + \frac{1}{4} = 4 \frac{1}{2} \Rightarrow 2X = 4 \frac{1}{2} - \frac{1}{4} \Rightarrow 2X = 4 \frac{1}{4} \Rightarrow X = 2$. approx

Therefore the fuel consumed while coming = 2 gallon.

4. Low temperature at the night in a city is $1/3$ more than $1/2$ high as higher temperature in a day. Sum of the low temperature and highest temp. is 100 degrees. Then what is the low temp?

Sol: 40 deg..

5. A person, who decided to go to weekend trip should not exceed 8 hours driving in a day. Average speed of forward journey is 40 m/h. Due to traffic in Sundays, the return journey average speed is 30 m/h. How far he can select a picnic spot?

a) 120 miles

b) Between 120 and 140 miles

c) 160 miles

Answer: 120 miles.

6. A person was fined for exceeding the speed limit by 10mph. Another person was also fined for exceeding the same speed limit by twice the same. If the second person was traveling at a speed of 35 mph, find the speed limit.

Sol: Let 'x' be the speed limit

Person 'A' was fined for exceeding the speed limit by = 10mph

Person 'B' was fined for exceeding the speed limit by = twice of 'A'

= $2 \times 10\text{mph} = 20\text{mph}$ given that the second person was traveling at the speed of 35mph =>
 $35\text{mph} - 20\text{mph} = 15\text{mph}$

Therefore the speed limit is =15 mph.

7. A bus started from bus stand at 8.00am, and after 30 minutes staying at destination, it returned back to the bus stand. The destination is 27 miles from the bus stand. The speed of the bus is 18mph. In return journey bus travels with 50% fast speed. At what time it returns to the bus stand?

Sol: 11.00am.

8. In a mixture, R is 2 parts S is 1 part. In order to make S to 25% of the mixture, how much r is to be added?

Sol: One Part.

9. Wind flows 160 miles in 330 min, for 80 miles how much time required.

Sol:.

10. With $\frac{4}{5}$ full tank vehicle travels 12 miles, with $\frac{1}{3}$ full tank how much distance travels

Sol: (5 miles).

11. A storm will move with a velocity of towards the center in hours, at the same rate how much far will it move in hrs.

Sol: (but the answer is $\frac{8}{3}$ or $2 \frac{2}{3}$).

12. In a two-dimensional array, X (9, 7), with each element occupying 4 bytes of memory, with the address of the first element X (1, 1) is 3000; find the address of X (8, 5).

Ans: 3212.

13. In the word ORGANISATIONAL, if the first and second, third and forth, forth and fifth, fifth and sixth words are interchanged up to the last letter, what would be the tenth letter from right?

Ans:I

14. What is the largest prime number that can be stored in an 8-bit memory?

Ans : 251

15. Select the odd one out.a. Java b. Lisp c. Smalltalk d. Eiffel.

16. Select the odd one out a. SMTP b. WAP c. SAP d. ARP

17. Select the odd one out a. Oracle b. Linux c. Ingress d. DB2

18. Select the odd one out a. WAP b. HTTP c. BAAN d. ARP

19. Select the odd one out a. LINUX b. UNIX c. SOLARIS d. SQL SEVER

20. Select the odd one out a. SQL b. DB2 c. SYBASE d. HTTP

21. The size of a program is N. And the memory occupied by the program is given by $M = \text{square root of } 100N$. If the size of the program is increased by 1% then how much memory now occupied?

Ans: $0.5\%(\text{SQRT } 101N)$

22. A man, a woman, and a child can do a piece of work in 6 days. Man only can do it in 24 days. Woman can do it in 16 days and in how many days child can do the same work?

Ans: 16

23. In which of the system, decimal number 184 is equal to 1234?

Ans: 5

24. Find the value of the 678 to the base-7.

Ans: 1656

25. Number of faces, vertices and edges of a cube

Ans: 6 8 12

26. Complete the series 2, 7, 24, 77, ___

Ans: 238

27. Find the value of $@@+25-++@16$, where @ denotes "square" and + denotes "square root".

Ans: 621

28. Find the result of the following expression if, M denotes modulus operation, R denotes round-off, T denotes truncation: $M(373,5)+R(3.4)+T(7.7)+R(5.8)$

Ans: 19

29. If TAFJHH is coded as RBEKGI then RBDJK can be coded as?

Ans: qckkj

30. $G(0) = -1$, $G(1) = 1$, $G(N) = G(N-1) - G(N-2)$, $G(5) = ?$

Ans: - 2

31. What is the max possible 3 digit prime number?

Ans: 997

32. A power unit is there by the bank of the river of 750 meters width. A cable is made from power unit to power plant opposite to that of the river and 1500mts away from the power unit. The cost of the cable below water is Rs.15/- per meter and cost of cable on the bank is Rs.12/-per meter. Find the total of laying the cable.

Ans : 1000 (24725-cost)

33. The size of a program is N. And the memory occupied by the program is given by $M = \text{square root of } 100N$. If the size of the program is increased by 1% then how much memory now occupied?

Ans: 0.5%(SQRT 101N)

34. In Madras , temperature at noon varies according to $-t^2/2 + 8t + 3$, where t is elapsed time. Find how much temperature more or less in 4pm to 9pm.

Ans: At 9pm 7.5 more

35. The size of the bucket is N kb. The bucket fills at the rate of 0.1 kb per millisecond. A programmer sends a program to receiver. There it waits for 10 milliseconds. And response will be back to programmer in 20 milliseconds. How much time the program takes to get a response back to the programmer, after it is sent?

Ans: 30

36. A man, a woman, and a child can do a piece of work in 6 days. Man only can do it in 24 days. Woman can do it in 16 days and in how many days child can do the same work?

Ans: 16

37. Which of the following are orthogonal pairs?

a. $3i+2j$ b. $i+j$ c. $2i-3j$ d. $-7i+j$

Ans: a, c

38. If VXUPLVH is written as SURMISE, what is SHDVD?

Ans: PEASE

39. If A, B and C are the mechanisms used separately to reduce the wastage of fuel by 30%, 20% and 10%. What will be the fuel economy if they were used combined.

Ans: 20%

40. What is the power of 2? a. 2068 b. 2048 c. 2668

41. Complete the series. 3, 8, --, 24, --, 48, 63.

Ans: 15.35

42. Complete the series. 4, -5, 11, -14, 22, --

Ans: -27

43. A, B and C are 8 bit no's. They are as follows:

A -> 1 1 0 1 1 0 1 1

B -> 0 1 1 1 1 0 1 0

C -> 0 1 1 0 1 1 0 1

Find $((A-B) \cup C) = ?$ Hint: 109.... A-B is $\{A\} - \{A \cap B\}$

44. A Flight takes off at 2 A.M from northeast direction and travels for 11 hours to reach the destination, which is in northwest direction. Given the latitude and longitude of source and destination. Find the local time of destination when the flight reaches there?

Ans: 7 am

45. A can copy 50 papers in 10 hours while both A & B can copy 70 papers in 10 hours. Then for how many hours required for B to copy 26 papers?

Ans: 13

46. A is twice efficient than B. A and B can both work together to complete a work in 7 days. Then find in how many days, A alone can complete the work?

Ans: 10.5

47. A finish the work in 10 days. B is 60% efficient than A. So how many days do B takes to finish the work?

Ans :100/6

48. A finishes the work in 10 days & B in 8 days individually. If A works for only 6 days then how many days should B work to complete A's work?

Ans: 3.2 days

49. Given the length of the 3 sides of a triangle. Find the one that is impossible? (HINT: sum of smaller 2 sides is greater than the other one, which is larger)

50. Find the singularity matrix from a given set of matrices? (Hint $\det(A) \neq 0$)

51. $(\text{Momentum} \times \text{Velocity}) / (\text{Acceleration} \times \text{distance})$. Find units.

Ans: mass

52. The number 362 in decimal system is given by $(1362)_x$ in the X System of numbers find the value of X a) 5 b) 6 c) 7 d) 8 e) 9

53. Given \$ means Tripling and % means change of sign then find the value of $\% \$ 6 - \% \$ \% 6$

54. My flight takes off at 2am from a place at 18N 10E and landed 10 Hrs later at a place with coordinates 36N 70W. What is the local time when my plane landed?

6:00 am b) 6:40am c) 7:40 d) 7:00 e) 8:00

(Hint: Every 1 deg longitude is equal to 4 minutes. If west to east add time else subtract time)

55. 7 8 9 11 13 ?? 19

CRITICAL REASONING:

Entirely from Barron's 12th edition 5 Model Test Papers at the end. Those who don't have barrons, you can obtain it from the Internet and get the book in a pdf format. The questions asked are from these...

Model test 1: Section5 - qns 1-4 (motorist), qns 13-16 (red and brown)

Section6 - qns 1-4 (conservative, democratic), qns 8-11 (latin, sanskrit), qns 12-18 (joe,larry,ned), qns 19-22 (a causes b)

Model test 2: Section1 - qns 19-22 (wallachia and rumelia) ---

Section6 - qns 8-12 (ashland , liverpool), qns 13-16 (spelunker) ---
qns 17-22 (pesth) ---i got this one too

Model test 3: Section6 - qns 1-4 (all Gs are Hs)

Model test 4: Section5 - qns 8-11 (horizontal row), qns 19-22 (a,b,c cause d)

Section6 - qns 8-12 (spanish, italian), qns 13-16 (all As, Bs), qns 17-22 (progressive federal party)

Model test 5: Section3 - qns8-11 (museum), qns 19-22 (A is the father)

Section7- qns 1-5 (prahtu, brahtu), qns 21-25 (scurvy)

TECHNICAL & HR INTERVIEW:

I had both the interviews in one go
being from CS .

me and many of my friends were asked programming like:

*sortings:bubble sort , insertion sort , binary search , stack , queue ,linked list

prime numbers ,max min ,gcd ,lcm

they even asked about automata theory :

what is a turing machinenon deterministic autometon??

RDBMS:

Have a clear view of all the normalization

i was asked to prepare a silicon DATABASE.

what is rdbms???

MPMC:

PIN diagrams of 8085 mainly.

diff between 8086 and 8085??

diff between c and c++??

there were some panels were physics ,chemistry ,mechanics were even asked .the fundas only newtons laws boyle's law ,charles law plz have an over all idea .

if u are ANSWERING anything say with 200% confidence .u voice should reflect your certainty.

HR:

Tell me about your self which u have not written in your CV?

Told...

If any beautiful girl from Bit mesra love U very much and U don't know her, what will u

Submit your resume to cvs@123eng.com
www.123eng.com Engineering the Engineers

do? , will propose her?

ToldYes

WHY Tcs??

Told

What is Ur weakness ?

Told..

Ask any question from us...?

Asked

ALL THE BEST

TCS PAPER ON 17th JULY 2008

Hi friends.....I m Niraj Kumar Ranjan from SCSVMV University,Kancheepuram.TCS came oncampus in my college on 17th & 18th july 2008.On 17 it coducted online test in which 13 students cleared the test out of 175.On 18 it conducted HR and MR interview. At 4'O Clock evening final result came and my name was shortlisted among with other 5 students.....

TEST PHASES:

ONLINE TEST

TECHNICAL ROUND(HR ROUND)

MR ROUND

ONLINE TEST:

Verbal Section.

Quantitative Aptitude.

Critical Reasoning.

Verbal Section(32 questions in 20 min):

10 Synonyms

10 Antonyms

6 Sentence Completion

6 RC

For Synonyms practice all Word List exercises of GRE BARRON-12th Edition with heading Synonyms.No need to mugup the meaning of all words.You just keep the true option of respective word in mind because the words wih options are just copied in question paper.So if you have previously seen a particular word then u can resemble it in

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exam and can choose correct option.

For Antonyms practice all Word List exercises and Model Test Paper(given back side of GRE Barron-12th Edition) of GRE Barron-12th .If you practice only Model Test Paper's Antonyms then you can answer 6 ques out of 10 during test.

NOTE: you skip words with heading "Synonyms and Antonyms" given in Word List exercises. Sentence Completion are also from GRE Barron but it in the form of a paragraph with combination of 5 or 6 sentences. If u have time, practice it otherwise skip it.

RC is from GRE Barron-12th .Practice all Model Test Paper's RC if you have time.

Quantitative Aptitude(38 ques in 40 min):

Note: For this section there is no need to solve any book you just solve as many questions of previous years as possible.All ques are either repeated or data is changed. Therefore you must know the methods to solve those questions,it will help you if you forget the mugup answer or if data is changed.

Here I m posting some questions which were asked to me
 $G(0) = -1, G(1) = 1, G(N) = G(N-1) - G(N-2), G(5) = ?$

Which of the following are orthogonal pairs?

a. $3i+2j$ b. $i+j$ c. $2i-3j$ d. $-7i+j$

Find the singularity matrix from a given set of matrices? (Hint $\det(A) \neq 0$) In a two-dimensional array, $X(9,7)$, with each element occupying 8 bytes of memory, with the address of the first element $X(1,1)$ is 3000, find the address of $X(8,5)$?

A file is transferred from one location to another in 'buckets'. The size of the bucket is 10 kilobytes. Each bucket gets filled at the rate of 0.0001 kilobytes per millisecond. The transmission time from sender to receiver is 10 milliseconds per bucket. After the receipt of the bucket the receiver sends an acknowledgement that reaches sender in 100 milliseconds. Assuming no error during transmission, write a formula to calculate the time taken in seconds to successfully complete the transfer of a file of size N kilobytes.

If $n=10*18*38$ which of the following is not an integer? a. $n/40$ b. $n/90$ c. $n/72$ d. $n/35$

My flight takes of at 2 am from a place at 18N 40E and landed 10 HRS later at a place

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www.123eng.com Engineering the Engineers

with co-ordinates 36N 40W. WHAT IS THE LOCAL TIME WHEN MY PLANE LANDED.

a) 2.50 pm, b) 6.00 pm, c) 6.40 pm, d) 8.00 pm Two pencils costs 8 cents, then 5 pencils cost how much.

A car is filled with four and half gallons of oil for full round trip. Fuel is taken 1/4 gallon more in going than coming. What is the fuel consumed in coming up?

In a mixture, R is 2 parts S is 1 part. In order to make S to 25% of the mixture, how much r is to be added?

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Select the odd one out.a. Java b. Lisp c. Smalltalk d. Eiffel.

Select the odd one out a. WAP b. HTTP c. BAAN d. ARP.

Select the odd one out a. SQL b. DB2 c. SYBASE d. HTTP.

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Find the result of the following expression if, M denotes modulus operation, R denotes round-off, T denotes truncation: $M(373,5)+R(3.4)+T(7.7)+R(5.8)$.

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A -> 1 1 0 1 1 0 1 1

B -> 0 1 1 1 1 0 1 0

C -> 0 1 1 0 1 1 0 1

Find $((A-B) \cup C) = ?$

$(\text{Energy} \cdot \text{Mass}) / (\text{Acceleration} \cdot \text{distance})$. Find units.

$@@+25-++@16$, where @ denotes "square" & + denotes "square root".

A is twice efficient than B. A and B can both work together to complete a work in 7 days. Then find in how many days A alone can complete the work?

What curve best suits the following data:

X Y

0.99 0.00001

10.04 1.02

99.98 1.997

1000 3.0

9990 4.004

(a) $y = \log_n x$ (b) $y = \log_{10} x$ (c) $y = e^x$ (d) $y = -\log_{10} x$ (e) $y = -e^x$

Three independent mechanisms A, B and C have been incorporated for power saving in a plant producing respectively 30%, 40% and 10% efficiency. Assuming that they operate independently, what is the net power efficiency achieved.

(a) 62.2% (b) 68% (c) 61% (d) 64% (e) 56%

One year ago Pandit was three times his sister's age. He will be only twice her age next year. How old will Pandit be after five years?

a) 8 b) 12 c) 11 d) 13

One ques on coding and decoding(I forget it out).

In the given string how many Y's are followed by L that are not followed by P
YLYPQMYLPLMYLLYQMYYLQYLPLYAMLYLM Sol. Only count pairs of YL and discard pairs of YLP.

Which set of data exhibits a higher Standard Deviation?

(a) 7, 0, -7, 7, 0, -7 (b) 7, 7, 7, 0, 7, 7 (c) -7, -7, -7, -7, -7, -7 (d) 7, 7, 7, 7, 7, 7 (e) 7, -7, 7, -7, 7, -7

A power cable is run by the bank of the river of 900 meters width. A cable is made from power unit to power a plant opposite to that of the river and 3000mts away from the

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power unit. The cost of the cable below water is Rs. 5/- per meter and cost of cable on the bank is Rs.4/- per meter. Find the point downstream where the cable is to cut across the river.

Three ques on data interpretation (u can prepare it from R.S Aggarwal or GRE itself).

Three ques from Venn diagram (u can prepare it from R.S Aggarwal or GRE itself).

One ques was from series completion (I forget it out).

Critical Reasoning (3 problems each with 4 ques (total 12 ques) in 30 mins):
For this section you just practice all Model Test Paper's reasoning problems(practice only those problems which include 4 or more than 4 ques). All problems are just copied and paste.Sometime they change names but situation of problems are same.

Following are problems asked to me:-

GRE Barron 12th Edition -> MODEL TEST 2 -> Section 1 ->questions(19-22).

GRE Barron 12th Edition -> MODEL TEST 2 -> Section 6 ->questions(17-22).(the names were changed for this problem).

GRE Barron 12th Edition -> MODEL TEST 5 -> Section 3 ->questions(12-18).

TECHNICAL ROUND (HR ROUND): (only one interviewr)

(I opened the door and asked permission to get inside.I wished good afternoon after reaching near to him.He was engage with some papers so he told me to sit on side chair and wait for a while.I waited for 5 mins while sitting gently.After 5 mins he told me sit on the chair infront of him.)

Sir: Mr. Niraj no need to get tense and nervous,we will talk like friend.....

Me: ok sir.

Sir: do u feel hungary.

Me: little bit sir but its not important than my interview.

Sir: Inspite of feeling hungary u are smiling.good.ok Niraj tell me about ur schooling and family.

Me: I told.....

Sir: Niraj you have two years academic gap afer +2.why it is so?

Me: (I already thought answer of this question.). Sir it is due to economical problem.My

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father is a low earning person.He has to manage a family of six members.When I passed +2,at that time my eldest brother was doing MBA and my elder brother was doing B.tec.So he could not afford me for B.E at that time.

Sir: what u did for 2 years?

Me: sir I was doing B.sc

Sir: Have u completed your B.sc?

Me: no sir.

Sir: why?

Me: sir I already decided to do B.E but I didn't want to waste the time so for a time being I had taken admission in B.sc. After two years both of my brothers got job and hence I taken admission in B.E.

Sir: What was your honours Paper?

Me: sir it was Maths.

Sir: Which is your favourite subject?

Me: sir C++,Data Structure and java(I have written these subjects as Area of Interest in my Resume).

Sir: what are features of oops?

Me: told but I forget two features.

Sir: any thing else

Me: I remembered and told those two also.

Sir: Is pointer there in C++?

Me: Yes sir (for checking confidence he asked this ques three times but my answer was same for all times).

Sir: Can u write a programme in C++ by using pointer

Me: Yes sir. (Then he gave me to display sum of series $[1^2 + 2^2 + 3^2 + \dots + 10^2]$.I thought for 30 sec on this problem then I was just starting but he interrupted me that if u are not comfortable with pointer you can write it without pointer). I wrote the programme without pointer.

Sir: Can you explain it?

Me: Yes sir. (I explained very well.)

Sir: you did Sanskrit project by "java coding" .what is it?

Me: Sir actually in our college we have to study a subject "Sanskrit and Indian Culture".In 6th sem we had to do a project related to this subject.So to brush up my knowledge of java I did it by using "java coding".

Sir: Can u explain what u did in project?

Me: Yes sir. (I explained it for 15 mins).

Note: In my project I used a GUI component "Combo Box" but during explanation i was telling it "Check Box".So he interrupted me and drawn two figures-one for Check Box and other for Combo Box and told me to identify them.Now I felt mistake and oppolizes to him.He told "ok no problem proceed".

Sir: why u haven't used "Visual Basic" for GUI.

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Me: sir I doesn't comfortable with Visual Basic coding.

Sir: Have you used any Data Base in this project?

Me: No sir.

Sir: Can you write programe for "Binary Search"? (I have written Data Structure as area of interest).

Me: Ofcourse sir. (I thought for a while and started to write.During writing he was asking following questions.Actually he was looking for efficiency of me during work load.)

Sir: How u compare your college with other colleges?

Me: I told.....then engaged in writing programe. (During my reply he was busy with his Mobile.Actually he was checking my patient.)

Sir: Whether there is need for any improvement of ur college? What are they?

Me: I told.....then engaged in writing programe. (During my reply he was busy with his Mobile.)

Sir: Where do you stay? In hostle or outside the hostle.

Me: sir outside the hostle.....then engaged in writing programe. (During my reply he was busy with his Mobile.)

Sir: Do you cook yourself?

Me: Yes sir.....then engaged in writing programe. (During my reply he was busy with his Mobile.)

Sir: What you cook for a day?

Me: I told..... engaged in writing programe. (During my reply he was busy with his Mobile.)

Sir: Do u know to cook Chapati?

Me: yes sir very well.....then engaged in writing programe. (Now he stoped to ask questions and busy with his Mobile.After few mins I completed programe writing and show it to him.)

Sir: Can you explain it?

Me: ofcourse sir.(I explained very well but I did a minor mistake during writing of programe.This was notified by him. I oppolizes for that).

Sir: what are other Concepts in Data Structure?

Me: sir array,stack, queue, linked list, sorting and tree.

Sir: Any quaries?

Me: sir whether I need to learn any computer language or technology before joining TCS?

Sir: he explained and then said u can go now.

Me: Thank you sir.

MR ROUND: (3 interviewers)

(I opened the door and asked permission to enter inside.Intially there were two members in pannel but in the mid of my interview one lady joined the pannel.I wished good afternoon to all of them.Then they told me to have the seat).

Sir: I think u feel very hungary.have u taken breakfast or not?

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Me: (with smile on face) no sir I have not taken breakfast.sir little bit I feel hungry but I am more eager to know final result than lunch.

Sir: which pgm u was given to write? (Actually the paper on which I had written programe in technical round was passed to MR ROUND).

Me: I told....

Sir: which is your favourite subject?

Me: same answer.....(lady member entered and joined the pannel.I stood up and wished her good afternoon.She told ok ok sit sit sit)

Sir: I think you have academic break down.(he engaged in seeing my certificates carefully)

Me: yes sir I have two years academic break down between +2 and B.E.

Sir: why?

Me: Given same reason.

Sir: what you was doing for 2 years?

Me: Doing B.sc.

Mam: Do u have Certificate for B.sc?

Me: No mam I don't have Certificate because it is incomplete degree but I have the marksheets of two years.

Mam: are you sure you have the marksheets?

Me: Mam not now because it was a incomplete coarse so I haven't included in my file.But I have it at room.

Mam: Why u did not completed B.sc coarse?

Me: Mam actually I was not interested in B.sc.From the beginning itself I decided to do B.E. I didn't want to waste time that's why I had taken admission in B.sc.

Mam: I think you did mini project in java.Can you explain what u did in this project?

Me: yes mam.(I explained the project very well.here I didn't repeat the mistake which I did during technical round)

Sir: What is try,catch and finally?

Me: Explained all three.

Sir: You are given two numbers a=5 and b=8.Can you swap two numbers without using temperory variable?

Me: Thought for sometime but unable to answer.(ANS: a=a+b;b=a-b;a=a-b)

Sir: Give logic for the programe [1-2+3-4+5-6+.....-8+9].

Me: Thought for some times and find out the answer.

Sum=0;

For (i=1;i<=9;i++)

```
{  
Sum=Sum+i*pow(-1,i-1);  
}
```

Printf("Sum=%d",Sum);

Sir: very good.your logic is correct but I want some simple logic.

Me: Again tried for some time for did not got other logic.I simply told sorry sir I m not getting.(the other logic is add odd terms together and even terms together and finally

subtract sum of even terms from sum of odd terms.)

Sir: Are u comfortable to work in any part of world?

Me: Of course Sir,you can throw me at any corner of world,I will adjust myself. (mam laughed at this reply.)

Mam: Do you know about 2 years bond of TCS.

Me: No mam.

Mam: You would have to pay Rs 50,000 if u leave the company within 2 years.

Me: ok mam but this situation will not come.

Sir: Any queries?

Me: I asked the same quarry.

All the Best

Paper Type : General - Interview

TCS PAPER

PRAYER WORKS, PRAYER ONLY WORKS
SPECIALLY FOR DIPLOMA STUDENTS

Hello friends,this is harshit elaborating toTCS placement experience with detailed Technical & hr interview .I am an E.C.E. student, have done my diploma in same branch.

APTITUDE TEST
ENGLISH (20 MINS.)
QUANT/MATHS
CRITICAL REASONING(30MINS.)

U CANNOT SWITCH between SECTIONS .sections change after defined time. Same PATTERN as previous papers BUT NUMBERS changed.

If possible remember answers of sums it REALLY HELPS SAVES TIME ,helps us to think for other non seen questions.it was ONLINE TEST ,questions are DIFFERENT for EACH STUDENT.NO NEGATIVE MARKING.

THERE IS NO SECTIONAL CUT OFF. CUT OFF WAS 50,I secured 55.5,I saw marks in hr interview. NO PSCHOMETRY TEST

TECHNICAL INTERVIEW
(IT'S BETTER TO ACCEPT IGNORANCE RATHER THAN TO BLUFF,EYE CONTACTS IMPORTANT ,CONFIDENCE MUST,BE COOL & CALM,ASSURE THEM U R READY TO WORK HARD AS THEY WANT) IN THE COLUMN OF PROGRAMMING LANGUAGES KNOWN,I HAD LEFT IT BLANK.

WHEN I ENTERED ROOM HE ASKED ME TO WAIT OUTSIDE FOR 10 MINS.,may be this was to check my patience. After 10 mins.,TCS coordinator called me. It was 9-00

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pm ,I took with me my biodata file consisting of Xerox's of ssc,diploma3rd 4th 5th sem results.and PROJECT REPORT.no one of us carried either.

THREE MAIN POINTS TO BE REPEATED IN BETWEEN ANY
INTERVIEW(HR/TECHNICAL)

I CAN HANDLE PROJECTS EFFICIENTLY.

I CAN WORK AS A GOOD TEAM LEADER.

I CAN ALSO WORK WELL AS GOOD TEAM MEMBER.

ME: Good evening sir with smile,sir may I have seat (he did'nt offer me before)

SIR: Please have a seat

ME:Thank you sir

SIR:How was ur aapti?

ME: Ok sir ,not that good,it was good that I cleared.

SIR:Ya it was like that only.

SIR:Where do u stay

ME:Sir I stay at ghatkopar,vallabhbaug lane [extn.]

SIR:Near Odeon

ME:Yes sir ,very close to it.

He then asked me the duration of doing diploma+degree & 12th+degree,a no.of basic questions on the diploma & 12th their advantages & disadvantages.

ME:Sir,we have an added advantage of learning basics properly since we had 3 year time,a more practical oriented approach,we are made junior engineers,in degree, time is less for referring reference text books.

SIR:Any disadvantage

ME:Sir,everything in the world has advantages & disadvantages,pros & cons.,here also are a few.we lag in maths,but than can be developed in due course by practice.

SIR:What are MACROS in excel

ME:SIR I DON'T KNOW.

SIR:In biodata u have written proficiency in ms excel so I was were eager to ask this.

ME:Sir,I know basics of word ,excel ,powerpoint

SIR:Explain ur final year project.

ME:I explained project for 5-7 mins,making it most interesting everytime.

SIR:Are ur BASICS of E.X.T.C.cleared

ME: I SPONTAENOUSLY replied YES SIR

SIR:Do u know anything about dual core

ME:Yes sir,it latest technology coming up,here there is only 1 PCB and components are mounted on both sided bcoz of whitch size,weight,power consumption reduces and speed increases

SIR:See one core means one cpu ,so have many cpu's are there in dualcore

ME:Sir I m not sure,but I think there will b two cpu's since speed increases,one main carrying out main program execution & one coprocessor carrying out functions that are repeated.

SIR:What do u have that will b ueful to TCS

ME:Sir u r getting a guy that is hardworking has right approach and positive attitude has creative and innovative ideas,detemined to take organization reach its predetermined objectives/aims before the deadlines.

SIR:Ok,ok that's fine these are principles,to enter into I.T. industry what is the core thing required,.for example to become himesh reshammiya what should I have.

ME Good voice quality

SIR:Exactly,so what do have the core for IT industry

ME:Sir,I know assembly language programming of 8085,8051.and in the due course I will learn the basic languages.

SIR:When

ME: Sir,we have a year and also training period,with whitch we will b acquainted to these languages of c &c++ .sir ,these languages will be developed in due course we have an added advantage from rest comps/IT student that we know electronics,telecommunication also, the blend of both will help to excel in future.so, will be able to use our hardware & software skills simultaneously.

SIR:Do u know whitch languages are used presently

ME:Advanced languages java ,oracle etc.

SIR:Pentium.....brand name or company.

ME:Sir,it's company that has been branded.

SIR:Cadbury.....eclairs

ME:Sir ,Cadbury is company & éclairs is brand name.

SIR(with smile):Here it is easy to identify.

ME:Ya sir.

SIR:What do u know abt T.C.S.

ME:Sir,T.C.S.....big name,the no.one I.T. company in asia,was started in 1968 did the work related to punchcards in tisco.then it felt to provide services to it's clients & then

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started the whole business.it has it's customers in various fields such as medicine telecom banking etc.(for students this information was collected from website www.TCS.com)

SIR:Good,fine.

SIR: Do u want ask anything

ME:sir what will I have to do to be on par with rest comps/I.T. students

SIR:U learn basic languages c/c++ whitch is foundation for all advance languages

ME:Yes sir I will learn these languages before joining TCS.thank u sir (with a smile)

H. R INTERVIEW:

(BE AS HONEST AS U CAN THEY SCAN U PROPERLY,BE URSELF THERE,DON'T LIE)

SIR:Please have a seat

ME:Thank u sir

SIR:What do students say abt me outside

ME That sir asks questions mainly on hobbies,interests .

SIR:Do students express grudge against me?

ME:Not at all sir ,they say sir is quite soothing and very cool.

SIR:O.k.,now they will express aggression.

Me:(I smiled)

SIR:What are ur strengths

ME:sir,I m very passionate for work,hardworking,have right approach,positive attitude,have creative & innovative ideas,good team member as well as good leader.

SIR:Every one is passionate for work

ME:sir,I believe in delivering best to a given assigned task,I start working on the assigned task as soon as it is given & try to make it possible within the given deadlines

SIR:Give me one example to prove that u r a good leader

ME:I was leader of final year diploma project,whitch won the first prize in vivek technotronics,grand event of our college.there were a few disputes within team member for doing a particular task ,whitch I tried to sort it out by motivating them to do the work by showing them the future projected dreams,finally they gave their best efforts to fulfil the dreams.

SIR:u are good at managing people and tem work

SIR:what are ur hobbies

ME:sir I like to play cricket whenever I get time,like to read shyaris,quotations

SIR:tell me few shyaris

ME:(I told 4 shyaris,he was keenly listening to it and with smile replied) good very good

U may leave and then I showed my project report and biodata file.he saw my project report and said u have done quite exhaustive work,keep it up)

After both interviews I felt that I was through and was very happy.

H.R.played a prank in first declaring 125 names who were shortlisted in which my name wasn't there then she said more 10 students r there also in which I WAS LAST IN THE LIST

WHAT A SIGH OF RELIEF THAT WAS TO HEAR THE NAME

ITS ONLY GOD'S GRACE ,THAT REALLY MAKES THINKS POSSIBLE.IF AN AVERAGE STUDENT LIKE ME CAN BE PLACED WHY NOT U,SIMPLY PRAY, HE GUIDES U TO WIN

I PRAY FOR THE PLACEMENT OF ALL THE STUDENTS APPLYING

TCS PAPER AS ON 10th JUNE 2008

Hi everybody,

TCS team visited our college campus on 31st may2008 .I am very happy to share my experience with u bcoz i was benifited more from this website.

TCS pattren consists of four rounds .All are seperate.

Written Test:

It was very easy exam u ever seen before.I think it was the easiest of all... It was online test of 1 1/2hr duration. it consists of

verbal:

10 synonyms

10 Antonyms

2 paragraphs

Synonyms and antonyms are luck dependent.U may answer easily upto 3-4 synonyms and 3-4 antonyms. Dont waste time by readingg synonyms and antonyms from GRE Barrons book. If u study 1000 words,u may or may not get 2-3 also.

I haven't studied single word from Barrons but easily answered 4-5 synonyms and 4 antonyms. so,answer them quickly whether u know or not.Then move to paragraphs section.

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1st paragraph consists of fill in the blanks type means that a paragraph is given with blanks in between. I got a paragraph with 7 blanks and 10 choices. U need to choose among them. It was very easy.

2nd paragraph is general type. 5 questions are given and for each question 4 options are given.

U can easily answer them. The key point when u r answering passages is that dont try to study all the paragraph.

The passages are too lengthy like 3-4 pages. See the question and search for the answer in the paragraph.

For fill in the blanks paragraph, read the 2 lines before the blank and answer them easily.

Quantitative:

It is the easiest of all questions. Dont try to solve questions in R.S. Aggarwal. Take the previous TCS papers conducted in last 4-5 months and solve them only.

If u solve R.S. Aggarwal, then also take a look at previous papers. Dont try to go to exam directly.

If u see previous papers, then only u can solve them in time. U will get same questions with out changing even the numerals also.

It consists of 38 questions and u have to answer them in 40 min. 32 questions are general aptitude.

3 questions from data interpretation means a bar graph is given and u have to answer the questions based on it.

3 questions from venn diagrams.

they are all very easy.

Critical Reasoning:

This is the most important of all. 3 reasoning passages are given consists of 4 questions each. My sincere advice is to solve all critical reasoning passages from GRE Barrons 12th edition model papers. dont miss even single also. Only the names are changed.

In most passages, even the names also are not changed. if u have no time, then by heart even the options also like CBDA etc...

U have to answer at least one of the 3 passages.

It was happend to me on 31-may-2008. The result was displayed on the screen when u

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complete the test.

Be prepare well for all the sections. There is no upper cutoff.

Technical Interview:

It was very cool interview. But i feel so much tense at that moment. First when went to the panel ,he asked me about subjects i know. While i am saying that c,c++,java... he interrupted me and said that they are all under one section.

So,prepare all subjects at a glance if u r from CSE and IT streams like operating systems,micro processors,computer organisation,DBMS,Data structures,Software Engineering other than above three.

U have to be perfect in atleast one or two of the subjects. Don't try to bluff,be frank .False answers doesn't matters.If u don't know then u should accept it like saying that i was unable to recollect it sir etc....

He should know that u have the grip on the subject.

I said that DBMS is my favourite subject and he asked me some easy questions in it. I am giving some of the questions faced in the interview.

1. Disadvantage of inheritance.
2. Difference between drop,delete,truncate commands.
3. Different types of Joins of tables and explain them.
4. Difference between DBMS and RDBMS.
5. Different types of storage classes in C.
6. What the rollback and commit commands will do.
7. What is commit point and log table etc.
8. Different forms of "ls" command in UNIX.
9. What is SDLC (software development lifecycle).
10. What is garbage collection and how it is performed in JAVA
11. Exception handling in C++,JAVA.
12. What r the topics u know in Computer Organisation. and some other easy questions....these r the main questions asked for me.

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So,try to cover all the core CSE subjects one time.

I answered some of the questions and for some questions ,i frankly said that i am not able to recollect and i don't know. I thought that i wont clear the Technical round.But i was promoted to the next round.

Its all happend on 2-june-2008.When i went to interview at morning 9'o clock and came out at night 9'o clock but interview happend only for 20-30 minutes.

Management round:

It was the surprising round for me in all the rounds of TCS. There are 2 panels for MR round.One of them is selecting all the members he got for the interview and the other is selecting only2-3 people out of 10. I was unfortunately gone for that panel.So i was decided that i'll be clearly eliminated in this round.He asked about Eng.Drawing,Computer graphics and some puzzles etc for the people who gone before me.

But my interview was done very cool.He haven't asked me questions in above said subjects but he asked me about the movies,hobbies etc .I was done this successfully.My interview is as follows.

I came to college at 9a.m but when I went to MR it was around 8.30 to 8.45p.m

First he asked me to tell about myself.When i came to hobbies,i said that listening to music is my hobby.

HE: Which type of music will u listen.

ME: There is no specific type of music sir but i enjoy any type of music.

HE: Ok.Do u see movies?

ME: No ,sir.

HE: Why don't u see movies they r also for the entertainment na?

ME: When i want to get some relaxation i will listen to music sir.I also see some movies which are different and message oriented.

HE: Then,what is ur last movie?

Then i said the name of an old movie then I explained the message in that movie.He told me that to watch one new movie and he said that there is a message in that.

After that he asked me about my village and how much distance it is and so on...it was done very cool.

After this round, I got some confidence that I can easily crack HR round.

*The key point in this round is that u have to stick on to one side only not like two sides of a coin.

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*Be confident when u r telling the answer.U have to be in a posion to justify ur answers.

*Try to tell the truths only.Dont try to bluff.If u tell false,u have to be in a position to answer the consequent questions.

It took 30-45min to complete this round.

HR ROUND:

It was done for about 10min only.He asked only simple questions.Some of those are as follows.

- 1.Tell about ur self.
- 2.What do u know about TCS?
- 3.Why should i hire u?
- 4.Will u goto pakistan when the company wants u to go there.
- 5.Will u read any magazines or books related to personality development?
- 6.Have u done any mini projects or presented a paper? and some easy questions only.Give the answers frankly and spontaneously.Dont get tension.

ALL THE BEST

TATA CONSULTANCY SERVICES

Experience Certainty

Test Date : 24 May 2008

Test Location : LBRCE,mylavaram

TCS Recruitment Rounds

Ø Written Test

Ø Technical Interview

Ø MR (Managerial)

Ø HR Interview

WRITTEN TEST :(ONLINE TEST)

Contains 3 sections

1) Verbal (Synonyms – Antonyms - Comprehension Passages)

2) Quantitative Aptitude

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3) Critical Reasoning

SECTION-1(Verbal- 30 questions - 20 min)

Ø Synonyms (Refer In GRE BARRONS 12th Edition)

Ø Antonyms (Refer In GRE BARRONS 12th Edition (page no -126))

Ø Passage completion

Some of the previous questions in quant .Go through these models and try to solve them.
They will give same models but they change the data.

SECTION: 2(QUANT- 38 questions - 40 min)

1) If $\log 0.317=0.3332$ and $\log 0.318=0.3364$ then find $\log 0.319 =$

Sol: Given $\log 0.317=0.3332$ and $\log 0.318=0.3364$

Then

$\log 0.319=\log 0.318+ (\log 0.318-\log 0.317)$

$=0.3396$

2) A box of 150 packets consists of 1kg packets and 2kg packets. Total weight of box is 264kg. How many 2kg packets are there?

Sol: Given $x= 2$ kg Packs

$y= 1$ kg packs

$\Rightarrow x + y = 150$ Eqn 1

$\Rightarrow 2x + y = 264$ Eqn 2

On solving these two equations

$x = 114$

By using equation 1

$$114 + y = 150$$

$$\Rightarrow y = 36$$

$$\Rightarrow \text{Number of 2 kg Packs} = 114.$$

3) My flight takes off at 2am from a place at 18N 10E and landed 10 Hrs later at a place with coordinates 36N70W. What is the local time when my plane landed?

a) 6:00 am b) 6:40am c) 7:40 d) 7:00 e) 8:00

Sol: (Hint: Every 1 deg longitude is equal to 4 minutes. If west to east add time else subtract time)

Ans: 8:00

4) A Flight takes off at 2 A.M from northeast direction and travels for 11 hours to reach the destination, which is in northwest direction. Given the latitude and longitude of source and destination. Find the local time of destination when the flight reaches there?

Ans: 7 AM (or) 1 PM

5) A moves 3 kms east from his starting point. He then travels 5 kms north. From that point he moves 8 kms to the east. How far is A from his starting point?

Ans: 13 kms

6) Aeroplane is flying at a particular angle and latitude, after some time latitude is given. (8 hrs later), u r asked to find the local time of the place.

7) An Aeroplane starts from A (SOME LATITUDE IS GIVEN ACCORDING TO PLACE). At 2 AM local time to B (SOME LATITUDE). Traveling time is 10 Hours. What is the local time of B when it reaches B?

8) A plane moves from 9°N40°E to 9°N40°W. If the plane starts at 10 am and takes 8 hours to reach the destination, find the local arrival time.

Sol: Since it is moving from east to west longitude we need to add both

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Ie, $40+40=80$

Multiply the ans by 4

$\Rightarrow 80*4=320\text{min}$

Convert this min to hours i.e., 5hrs 33min

It takes 8hrs totally. So $8-5\text{hr } 30\text{ min}=2\text{hr } 30\text{min}$

So the ans is 10am+2hr 30 min

Ans: 12:30 it will reach

9) The size of the bucket is N kb. The bucket fills at the rate of 0.1 kb per millisecond. A programmer sends a program to receiver. There it waits for 10 milliseconds. And response will be back to programmer in 20 milliseconds. How much time the program takes to get a response back to the programmer, after it is sent?

Sol: The time being taken to fill the bucket.

After reaching program it waits there for 10ms and back to the programmer in

20 ms. then total time to get the response is

$20\text{ms} + 10\text{ ms}=30\text{ms}$

Ans: 30ms

10) A file is transferred from one location to another in 'buckets'. The size of the bucket is 10 kilobytes. Eh bucket gets filled at the rate of 0.0001 kilobytes per millisecond. The transmission time from sender to receiver is 10 milliseconds per bucket. After the receipt of the bucket the receiver sends an acknowledgement that reaches sender in 100 milliseconds. Assuming no error during transmission, write a formula to calculate the time taken in seconds to successfully complete the transfer of a file of size N kilobytes.

Ans: $(n/1000)*(n/10)*10+ (n/100)\dots$ (Not 100% sure)

11) A fisherman's day is rated as good if he catches 9 fishes, fair if 7 fishes and bad if 5 fishes. He catches 53 fishes in a week and had all good, fair and bad days in the week. So how many good, fair and bad days did the fisherman have in the week.

Sol:

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good days means --- 9 fishes so $53/9=4$ (remainder=17) if u assume 5 then there is no chance for bad days.

fair days means ----- 7 fishes so remaining 17 --- $17/7=1$ (remainder=10) if u assume 2 then there is no chance for bad days.

bad days means -----5 fishes so remaining 10--- $10/5=2$ days.

$$4*9=36$$

$$7*1=7$$

$$2*5=10$$

$$36+7+10=53...$$

Ans: 4 good, 1 fair, 2bad. ===== total 7 days.

$$12) x+y+z=7----- eq1$$

$$9*x+7*y+5*z=53 -----eq2$$

Sol:

Multiply eq 1 by 9,

$$9*x+9*y+9*z=35 -----eq3$$

From eq2 and eq3

$$2*y+4*z=10-----eq4$$

Since all x, y and z are integer i should put a integer value of y such that z sud be integer in eq 4.....And there will be two value y=1 or 3 then z = 2 or 1 from eq 4

For first y=1,z=2 then from eq1 x= 4

So $9*4+1*7+2*5=53$ Satisfied

Now for second y=3 z=1 then from eq1 x=3

So $9*3+3*7+1*5=53$ satisfied

So finally there are two solution of this question

Ans:(x,y,z)=(4,1,2) and (3,3,1)...

13) Y catches 5 times more fishes than X. If total number of fishes caught by X and Y is 42, then number of fishes caught by X?

Sol: let no. of fish x catches= p

No. caught by y = r

$r=5p$.

Given $r+p=42$

Then $p=7$, $r=35$

14) Three companies are working independently and receiving the savings 20%, 30%, 40%. If the companies work combine, what will be their net savings?

Sol: Suppose total income is 100

So amount x is getting is 80

y is 70

z =60

Total=210

But total money is 300

$300-210=90$

So they are getting 90 rs less

90 is 30% of 300 so they r getting 30% discount

15) The ratio of incomes of C and D is 3:4.the ratio of their expenditures is 4:5.Find the ratio of their savings if the savings of C is one fourths of his income?

Sol: incomes: 3:4

Expenditures: 4:5

$$3x-4y=1/4(3x)$$

$$12x-16y=3x$$

$$9x=16y$$

$$y=9x/16$$

$$(3x-4(9x/16))/ ((4x-5(9x/16)))$$

Ans: 12/19

16)If A can copy 50 pages in 10 hours and A and B together can copy 70 pages in 10 hours, how much time does B takes to copy 26 pages?

Sol: A can copy 50 pages in 10 hrs.

=>A can copy 5 pages in 1hr. (50/10)

Now A & B can copy 70 pages in 10hrs.

Thus, B can copy 90 pages in 10 hrs. [Eqn. is $(50+x)/2=70$, where $x \rightarrow$ no. of pages B can copy in 10 hrs.]

So, B can copy 9 pages in 1hr.

Therefore, to copy 26 pages B will need almost 3hrs.

Since in 3hrs B can copy 27 pages

17) A can copy 50 papers in 10 hours while both A & B can copy 70 papers in 10 hours. Then for how many hours required for B to copy 26 papers?

ANS: 13

18) A is twice efficient than B. A and B can both work together to complete a work in 7 days. Then find in how many days A alone can complete the work?

ANS: 10.5 (11)

19) A finish the work in 10 days. B is 60% efficient than A. So how days does B take to finish the work?

Ans: 100/6 (4 days)

20) A finishes the work in 10 days & B in 8 days individually. If A works for only 6 days then how many days should B work to complete A's work?

Ans: 3.2 days (4 days)

21) A man, a woman, and a child can do a piece of work in 6 days. Man only can do it in 24 days. Woman can do it in 16 days and in how many days child can do the same work?

Ans: 16

22) If 20 men take 15 days to complete a job, in how many days can 25 men finish that work?

Ans. 12 days

23) One fast typist type some matter in 2hr and another slow typist type the same matter in 3hr. if both do combine in how much time they will finish.

Ans: 1hr 12min

24) A man shapes 3 cardboards in 50 minutes, how many types of cardboard does he shape in 5 hours?

Ans: 18cardboards

25) A work is done by two people in 24 min. one of them can do this work a lonely in 40 min. how much time required to do the same work for the second person.

Sol: (A+B) can do the work in = $1/24$ min.

A alone can do the same work in = $1/40$ min.

B alone can do the same work in = (A+B)'s - A's = $1/24 - 1/40 = 1/60$

=> B can do the same work in = 60 min

Ans: 60 min

26) A can do a piece of work in 20 days, which B can do in 12 days. In 9 days B does $\frac{3}{4}$ of the work. How many days will A take to finish the remaining work?

27) Anand finishes a work in 7 days; Bittu finishes the same job in 8 days and Chandu in 6 days. They take turns to finish the work. Anand on the first day, Bittu on the second and Chandu on the third day and then Anand again and so on. On which day will the work get over?

A) 3rd b) 6th c) 9th d) 7th

28) 3 men finish painting a wall in 8 days. Four boys do the same job in 7 days. In how many days will 2 men and 2 boys working together paint two such walls of the same size?

A) $6\frac{6}{13}$ days

B) $3\frac{3}{13}$ days

C) $9\frac{2}{5}$ days

D) $12\frac{12}{13}$ days

29) what's the answer for that?

A, B and C are 8 bit no's. They are as follows:

A -> 1 1 0 0 0 1 0 1

B -> 0 0 1 1 0 0 1 1

C -> 0 0 1 1 1 0 1 0 (- =minus, u=union)

Find $((A - C) \cup B) = ?$

Sol: We have to find $(A-C) \cup B$

To find A-C, We will find 2's compliment of C and then add it with A,

That will give us (A-C)

2's compliment of C = 1's compliment of C + 1

$= 11000101 + 1 = 11000110$

$A - C = 11000101 + 11000110$

$= 10001001$

Now $(A-C) \cup B$ is .OR. Logic operation on (A-C) and B

10001001 .OR. 00110011

The answer is = 10111011 ,

Whose decimal equivalent is 187.

30) A = 10010001

B = 01101010

C = 10010110

$(A \cup B) \cap C = ?$ [(A union B) intersection C =?]

31) A = 0 0 0 0 1 1 1 1

B = 0 0 1 1 0 0 1 1

C = 0 1 0 1 0 1 0 1

$(A \cup B) \cap C$ Find the fourth row, having the bit pattern as an integer in an 8-bit computer, and express the answer in its decimal value.

Ans: 29

32) A, B and C are 8 bit nos. They are as follows:

A 1 1 0 1 1 0 1 1

B 0 1 1 1 1 0 1 0

C 0 1 1 0 1 1 0 1

Find $((A-B) \cup C) = ?$

Hint: $109 A-B$ is $\{A\} - \{A \cap B\}$

Ans: 0 1 1 1 1 1 1 1 (DB)

33) If A, B and C are the mechanisms used separately to reduce the wastage of fuel by 30%, 20% and 10%. What will be the fuel economy if they were used combined.

Ans: 20%

34) In the class of 40 students, 30 speak Hindi and 20 speak English. What is the lowest possible number of students who speak both the languages?

(a) 5 (b) 20 (c) 15 (d) 10 (e) 30

35) In a two-dimensional array, X (9, 7), with each element occupying 4 bytes of memory, with the address of the first element X (1, 1) is 3000, find the address of

X (8, 5).

Sol: [HINT~ Formula=Base Add + Byte reqd $\{N(i-1) + (j-1)\}$]

Where,

Base Add=3000;

Byte reqd=4;

N=no of columns in array=7;

i=8; j=5;

IN ROW MAJOR ORDER]

Ans: 3212

36) If the vertex (5, 7) is placed in the memory. First vertex (1, 1)'s address is 1245 and then address of (5, 7) is -----

Ans: 1279

37) A 2D array is declared as A [9, 7] and each element requires 2 byte. If A [1, 1] is stored in 3000. Find the memory of A [8, 5]?

Ans: 3106

38) One circular array is given (means the memory allocation takes place like a circular fashion) dimension (9X7) .starting address is 3000.find the address of (2, 3)

Ans: 555

39) The size of a program is N. And the memory occupied by the program is given by $M = \sqrt{100N}$. If the size of the program is increased by 1% then how much memory now occupied?

Sol: N is increased by 1%

Therefore new value of $N = N + (N/100)$

$= 101N/100$

$M = \sqrt{100 * (101N/100)}$

Hence, we get

$M = \sqrt{101 * N}$

Ans: 0.5 % ($= \sqrt{101N}$)

40) A bus started from bus stand at 8.00a m and after 30 min staying at destination, it returned back to the bus stand. The destination is 27 miles from the bus stand. The speed of the bus 50 percent fast speed. At what time it returns to the bus stand.

Sol: (this is the step by step solution :)

A bus cover 27 mile with 18 mph in $=27/18= 1$ hour 30 min.

And it wait at stand $=30$ min.

After this speed of return increase by 50% so 50%of 18 mph $=9$ mph

Total speed of returning $=18+9=27$

Then in return it take $27/27=1$ hour

Then total time in journey $=1+1:30+00:30 =3$ hour

So it will come at $8+3$ hour $=11$ a.m.

So Ans $=11$ a.m

41) A Flight takes off at 2 A.M from northeast direction and travels for 11 hours to reach the destination which is in North West direction. Given the latitude and longitude of source and destination. Find the local time of destination when the flight reaches there?

Ans: 7 AM or 1.00 PM

42) My flight takes of at 2am from a place at 18N 10E and landed 10 Hrs later at a place with coordinates 36N70W. What is the local time when my plane landed?

a) 6:00 am b) 6:40am c) 7:40 d) 7:00 e) 8:00

(Hint: Every 1 deg longitude is equal to 4 minutes. If west to east add time else subtract time)

Ans: 8:00

43) A moves 3 kms east from his starting point. He then travels 5 kms north. From that point he moves 8 kms to the east. How far is A from his starting point?

Ans: 13 kms

44) A plane moves from $9^{\circ}\text{N}40^{\circ}\text{E}$ to $9^{\circ}\text{N}40^{\circ}\text{W}$. If the plane starts at 10 am and takes 8 hours to reach the destination, find the local arrival time.

45) In Madras , temperature at noon varies according to $-t^2/2 + 8t + 3$, where t is elapsed time. Find how much temperature more or less in 4pm to 9pm. (May be we can solve it by Definite Integration. Check any way)

Ans: at 9 pm 7.5 more or 385.8 (DB)

46) For Temperature a function is given according to time: $((t^2)/6) + 4t + 12$ what is the temperature rise or fall between 4.AM TO 9 AM

Sol: In equation first put $t=9$,

We will get 34.5..... (1)

Now put $t=4$,

We will get 27..... (2)

So Ans= $34.5-27$

=7.5

47) For Temperature a function is given according to time: $((t^2)/6) + 4t + 12$ what is the temperature rise or fall between 5 PM to 8 PM

48) Low temperature at the night in a city is $1/3$ more than $1/2$ high as higher temperature in a day. Sum of the low tem. And highest temp is 100 degrees. Then what is the low temp?

Sol: Let highest temp be x

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So low temp= $\frac{1}{3}$ of x of $\frac{1}{2}$ of x plus $\frac{x}{2}$ i.e. $\frac{x}{6}+\frac{x}{2}$

Total temp= $x+\frac{x}{6}+\frac{x}{2}=100$

Therefore, $x=60$

Lowest temp is 40

Ans :(40 deg.)

49) A person had to multiply two numbers. Instead of multiplying by 35, he multiplied by 53 and the product went up by 540. What was the raised product?

a) 780

b) 1040

c) 1590

d) 1720

Sol: $x*53-x*35=540 \Rightarrow x=30$ therefore, $53*30=1590$

Ans: 1590

50) How many positive integer solutions does the equation $2x+3y = 100$ have?

a) 50

b) 33

c) 16

d) 35

Sol: Given $2x+3y=100$, take l.c.m of 'x' coeff and 'y' coeff i.e. l.c.m of 2,3 ==6 then divide 100 with 6, which turns out 16 hence answer is 16 short cut formula--- constant / (l.c.m of x coeff and y coeff)

51) The total expense of a boarding house is partly fixed and partly variable with the number of boarders. The charge is Rs.70 per head when there are 25 boarders and Rs.60 when there are 50 boarders. Find the charge per head when there are 100 boarders.

- a) 65
- b) 55
- c) 50
- d) 45

Sol: let a = fixed cost and

k = variable cost and n = number of boarders

Total cost when 25 boarders $c = 25*70 = 1750$ i.e. $1750 = a + 25k$

Total cost when 50 boarders $c = 50*60 = 3000$ i.e. $3000 = a + 50k$

Solving above 2 eqns, $3000-1750 = 25k$ i.e. $1250 = 25k$ i.e. $k = 50$

Therefore, substituting this value of k in either of above 2 eqns we get

$a = 500$ ($a = 3000-50*50 = 500$ or $a = 1750 - 25*50 = 500$)

So total cost when 100 boarders = $c = a + 100k = 500 + 100*50 = 5500$

So cost per head = $5500/100 = 55$

52) Amal bought 5 pens, 7 pencils and 4 erasers. Rajan bought 6 pens, 8 erasers and 14 pencils for an amount which was half more than what Amal had paid. What % of the total amount paid by Amal was paid for pens?

- a) 37.5%
- b) 62.5%
- c) 50%
- d) None of these

Sol: Let, 5 pens + 7 pencils + 4 erasers = x rupees

So $10 \text{ pens} + 14 \text{ pencils} + 8 \text{ erasers} = 2 * x \text{ rupees}$

Also mentioned, $6 \text{ pens} + 14 \text{ pencils} + 8 \text{ erasers} = 1.5 * x \text{ rupees}$

So $(10-6) = 4 \text{ pens} = (2-1.5) x \text{ rupees}$

So $4 \text{ pens} = 0.5x \text{ rupees} \Rightarrow 8 \text{ pens} = x \text{ rupees}$

So $5 \text{ pens} = 5x/8 \text{ rupees} = 5/8 \text{ of total}$ (note $x \text{ rupees}$ is total amt paid by

Amal) i.e. $5/8 = 500/8\% = 62.5\%$

Ans: 62.5%

53) I lost Rs.68 in two races. My second race loss is Rs.6 more than the first race. My friend lost Rs.4 more than me in the second race. What is the amount lost by my friend in the second race?

Sol: $x + x+6 = \text{rs } 68$

$$2x + 6 = 68$$

$$2x = 68-6$$

$$2x = 62$$

$$x=31$$

x is the amt lost in I race

$x+ 6 = 31+6=37$ is lost in second race

Then my friend lost $37 + 4 = 41 \text{ Rs}$

Ans: 41 Rs

54) A face of the clock is divided into three parts. First part hours total is equal to the sum of the second and third part. What is the total of hours in the bigger part?

Sol: The clock normally has 12 hr

Three parts x, y, z

$$x+y+z=12$$

$$x=y+z$$

$$2x=12$$

$$x=6$$

So the largest part is 6 hrs

Ans: 6 hrs

$$55) (1 - 1/6) (1 - 1/7) \dots (1 - (1/(n+4))) (1 - (1/(n+5))) = ?$$

Sol: Leaving the first numerator and last denominator, all the numerator and denominator will cancelled out one another.

Ans: $5/(n+5)$

56) Ten boxes are there. Each ball weighs 100 gms. One ball is weighing 90 gms.

i) If there are 3 balls ($n=3$) in each box, how many times will it take to find 90 gms ball?

ii) Same question with $n=10$

iii) Same question with $n=9$

Sol: The chances are

When $n=3$

(i) $nC1 = 3C1 = 3$ for 10 boxes.. $10*3=30$

(ii) $nC1 = 10C1 = 10$ for 10 boxes $10*10=100$

(iii) $nC1 = 9C1 = 9$ for 10 boxes..... $10*9=90$

57) With $4/5$ full tank vehicle travels 12 miles, with $1/3$ full tank how much distance travels?

Sol: $4/5$ full tank= 12 mile

1 full tank= $12 / (4/5)$

1/3 full tank= $12 / (4/5) * (1/3) = 5$ miles

Ans: 5 miles

58) Wind flows 160 miles in 330min. for 80 miles how much time required

160 miles?

Sol: 1 mile = $330/160$

80 miles= $(330*80)/160=165$ min.

Ans: 165 min.

59) A person was fined for exceeding the speed limit by 10mph. another person was also fined for exceeding the same speed limit by twice the same if the second person was traveling at a speed of 35 mph. find the speed limit

Sol : $(x+10) = (x+35)/2$

Solving the eqn we get $x=15$

Ans: 15

60) A sales person multiplied a number and get the answer is 3 instead of that number divided by 3. what is the answer he actually has to get.

Sol: Assume 1

$1 * 3 = 3$

$1 * 1/3 = 1/3$

So he has to got 1/3

Ans: 1/3

61) The size of the bucket is N kb. The bucket fills at the rate of 0.1 kb per millisecond. A programmer sends a program to receiver. There it waits for 10 milliseconds. And response will be back to programmer in 20 milliseconds. How much time the program takes to get a response back to the programmer, after it is sent?

Ans: 30 milliseconds

62) A person who decided to go weekend trip should not exceed 8 hours driving in a day average speed of forward journey is 40 mph due to traffic in Sundays the return journey average speed is 30 mph. How far he can select a picnic spot.

Ans: Between 120 and 140 miles

63) Car is filled with four and half gallons of oil for full round trip. Fuel is taken 1/4 gallons more in going than coming. What is the fuel consumed in coming up.

Sol: Let fuel consumed in coming up is x.

Thus equation is: $x + 1.25x = 4.5$

Ans: 2gallons

64) 40% employees are male if 60% of supervisors are male so for 100% is 26.4%so the probability is

Ans: 0.264

65) Gavaskar average in first 50 innings was 50. After the 51st innings his average was 51 how many runs he made in the 51st innings

Sol: first 50 ings.- run= $50 * 50 = 2500$

51st ings. - Avg 51. So total run = $51 * 51 = 2601$.

So run scored in that ings= $2601-2500=101$ runs.

Ans: 101 runs

66) Hansie made the following amounts in seven games of cricket in India : Rs.10, Rs.15, Rs.21, Rs.12, Rs.18, Rs.19 and Rs.17 (all figures in crores of course).Find his average earnings.

Ans: Rs.16 crore

67) Average of 5 numbers is -10 sum of 3 numbers is 16, what is the average of other two numbers?

Ans: -33

68) If A, B and C are the mechanisms used separately to reduce the wastage of fuel by 30%, 20% and 10%. What will be the fuel economy if they were used combined. Ans: 20%

69) In 80 coins one coin is counterfeit what is minimum number of weighing to find out counterfeit coin

Sol: the minimum number of weightings needed is just 5.as shown below

(1) $80 \rightarrow 30-30$

(2) $15-15$

(3) $7-7$

(4) $3-3$

(5) $1-1$

Ans: 5.

70) 2 oranges, 3 bananas and 4 apples cost Rs.15. 3 oranges, 2 bananas, and 1 apple costs Rs 10. What is the cost of 3 oranges, 3 bananas and 3 apples?

Sol: $2x+3y+4z=15$

$$3x+2y+z=10$$

Adding

$$5x+5y+5z=25$$

$x+y+z=5$ that is for 1 orange, 1 banana and 1 apple requires 5Rs.

So for 3 orange, 3 bananas and 3 apples require 15Rs.

i.e. $3x+3y+3z=15$

Ans: 15

71) In 8*8 chess board what is the total number of squares refers odel discovered that there are 204 squares on the board .We found that you would add the different squares
 $= 1 + 4 + 9 + 16+ 25 + 36 + 49 + 64. =204$

Also in 3*3 tic tac toe board what is the total no of squares

Ans: 14 i.e. $9+4(\text{bigger ones}) +1 (\text{biggest one})$

If you get 100*100 board just use the formula the formula for the sum of the first n perfect squares is

$$n \times (n + 1) \times (2n + 1)$$

72) One fast typist type some matter in 2hr and another slow typist type the same matter in 3hr. If both do combine in how much time they will finish.

Sol: Faster one can do $\frac{1}{2}$ of work in one hour slower one can do $\frac{1}{3}$ of work in one hour both they do ($\frac{1}{2} + \frac{1}{3} = \frac{5}{6}$) the work in one hour. So work will b finished in $\frac{6}{5} = 1.2$ hour

i e 1 hour 12 min.

Ans: 1 hour 12 min.

73) If Rs20/- is available to pay for typing a research report & typist A produces 42 pages and typist B produces 28 pages. How much should typist A receive?

Sol: Find 42 % of 20 rs with respect to 70 (i.e. 28 + 42)

$\implies (42 * 20) / 70 \implies 12$ Rs

Ans: 12 Rs

74) In some game 139 members have participated every time one fellow will get bye what is the number of matches to choose the champion to be held?

Ans: 138 matches

(Explanation: since one player gets a bye in each round, he will reach the finals of the tournament without playing a match.

Therefore 137 matches should be played to determine the second finalist from the remaining 138 players (excluding the 1st player)

Therefore to determine the winner 138 matches should be played.)

75) ONE RECTANGULAR PLATE WITH LENGTH 8 INCHES, BREADTH 11 INCHES AND 2 INCHES THICKNESS IS THERE. WHAT IS THE LENGTH OF THE CIRCULAR ROD WITH DIAMETER 8 INCHES AND EQUAL TO VOLUME OF RECTANGULAR PLATE?

Sol: Vol. of rect. plate= $8 \times 11 \times 2 = 176$

Area of rod= $(\frac{22}{7}) \times (\frac{8}{2}) \times (\frac{8}{2}) = (\frac{352}{7})$

Vol. of rod=area*length=vol. of plate

So length of rod= vol of plate/area= $176 / (\frac{352}{7}) = 3.5$

Ans: 3.5

76) One tank will fill in 6 minutes at the rate of 3cu ft /min, length of tank is 4 ft and the width is 1/2 of length, what is the depth of the tank?

Ans: 3 ft 7.5 inches

77) A power unit is there by the bank of the river of 750 meters width. A cable is made from power unit to power a plant opposite to that of the river and 1500mts away from the power unit. The cost of the cable below water is Rs. 15/- per meter and cost of cable on the bank is Rs.12/- per meter. Find the total of laying the cable.

Ans: 1000 (24725 - cost) 20250

Ans: Rs. 22,500 (hint: the plant is on the other side of the river i.e. it is not on the same side as the river)

78) The cost of one pencil, two pens and four erasers is Rs.22 while the cost of five pencils, four pens and two erasers is Rs.32.How much will three pencils, three pens and three erasers cost?

Sol :(let x b pencil, y b pen and z b eraser... u get $x+2y+4z=22$ and $5x+4y+2z=32$ add $6x+6y+6z=54$ div by 2 you get 27)

Ans: 27

79) A man has to get air-mail. He starts to go to airport on his motorbike. Plane comes early and the mail is sent by a horse-cart. The man meets the cart in the middle after half an hour. He takes the mail and returns back, by doing so, he saves twenty minutes. How early did the plane arrive?

Sol: Assume he started at 1:00, so at 1:30 he met cart .He returned home at 2:00.so it took him 1 hour for the total journey. By doing this he saved 20 min. So the actual time if the

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plane is not late is 1 hour and 20 min. So the actual time of plane is at 1:40. The cart traveled a time of 10 min before it met him. So the plane is 10 min early.

Ans: 10 min

80) Ram singh goes to his office in the city every day from his suburban house. His driver Mangaram drops him at the railway station in the morning and picks him up in the evening. Every evening Ram singh reaches the station at 5 o'clock. Mangaram also reaches at the same time. One day Ram singh started early from his office and came to the station at 4 o'clock. Not wanting to wait for the car he starts walking home. Mangaram starts at normal time, picks him up on the way and takes him back home, half an hour early. How much time did Ram singh walked?

81) 2 trees are there. One grows at $\frac{3}{5}$ of the other. In 4 years total growth of the trees is 8 ft. what growth will smaller tree have in 2 years.

Sol: THE BIG TREE GROWS 8FT IN 4 YEARS=>THE BIG TREE GROWS 4FT IN 2 YEARS.WHEN WE DIVIDE $4\text{FT}/5=.8*3=>2.4$

$$4(x + (\frac{3}{5})x) = 8 \Rightarrow 8x/5 = 2x = 5/4$$

After 2 years $x = (\frac{3}{5}) * (\frac{5}{4}) * 2 = 1.5$ (less than 2 feet)

82) There is a six digit code. Its first two digits, multiplied by 3 gives all ones. And the next two digits multiplied by 6 give all twos. Remaining two digits multiplied by 9 gives all threes. Then what is the code?

Sol: Assume the digit xx xx xx (six digits)

$$\text{First Two digit } xx * 3 = 111$$

$$xx = 111/3 = 37$$

(First two digits of 1 is not divisible by 3 so we can use 111)

$$\text{Second Two digit } xx * 6 = 222$$

$$xx = 222/6 = 37$$

(First two digits of 2 is not divisible by 6 so we can use 222)

$$\text{Third Two digit } xx * 9 = 333$$

$xx=333/9=37$

(First two digits of 3 is not divisible by 9 so we can use 333)

83) There are 4 balls and 4 boxes of colors yellow, pink, red and green. Red ball is in a box whose color is same as that of the ball in a yellow box. Red box has green ball. In which box you find the yellow ball?

Sol: Yellow box can have either of pink/yellow balls.

if we put a yellow ball in "yellow" box then it would imply that "yellow" is also the color of the box which has the red ball(because according 2 d question,d box of the red ball n the ball in the yellow box have same color)

Thus this possibility is ruled out...

Therefore the ball in yellow box must be pink, hence the color of box contain in red ball is also pink....

=>the box color left out is "green", which is allotted to the only box left, the one which has yellow ball.

Ans: green

84) A bag contains 20 yellow balls, 10 green balls, 5 white balls, 8 black balls, and 1 red ball. How many minimum balls one should pick out so that to make sure the he gets at least 2 balls of same color.

Sol: suppose he picks 5 balls of all different colors then when he picks up the sixth one, it must match any on of the previously drawn ball color. Thus he must pick 6 balls

Ans: he should pick 6 balls totally.

85) WHAT IS THE NUMBER OF ZEROS AT THE END OF THE PRODUCT OF THE NUMBERS FROM 1 TO 100?

Sol: For every 5 in unit place one zero is added

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so between 1 to 100 there are 10 nos like 5,15,25,...,95 which has 5 in unit place.

Similarly for every no divisible by 10 one zero is added in the answer so between 1 to 100 , 11 zeros are added

For 25, 50, 75 3 extra zeros are added

So total no of zeros are $10+11+3=24$

86) There are two numbers in the ratio 8:9. If the smaller of the two numbers is increased by 12 and the larger number is reduced by 19 the ratio of the two numbers is 5:9.

Find the larger number?

Sol: $8x: 9x$ initially

$$8x+12: 9x-19 = 5x: 9x$$

$$8x+12 = 5x$$

$$\rightarrow x = 4$$

$$9x = 36 \text{ (NOT SURE ABOUT THE ANSWER)}$$

87) There are three different boxes A, B and C. Difference between weights of A and B is 3 kgs. And between B and C is 5 kgs. Then what is the maximum sum of the differences of all possible combinations when two boxes are taken each time

$$\text{Sol: } A-B = 3$$

$$B-C = 5$$

$$A-C = 8 \text{ so sum of diff} = 8+3+5 = 16 \text{ kgs}$$

88) A and B are shooters and having their exam. A and B fall short of 10 and 2 shots respectively to the qualifying mark. If each of them fired at least one shot and even by adding their total score together, they fall short of the qualifying mark, what is the qualifying mark?

Sol: Because each had at least 1 shot done so $10 + 1 = 11$

And $9 + 2 = 11$

So the ans is 11

89) A, B, C, and D tells the following times by looking at their watches. A tells it is 3 to 12. B tells it is 3 past 12. C tells it is 12:2. D tells it is half a dozen too soon to 12. No two watches show the same time. The difference between the watches is 2,3,4,5 respectively. Whose watch shows maximum time?

Sol: A shows 11:57, B shows 12:03, C shows 12:02 and D shows 11:06 therefore,

Max time is for B

90) Falling height is proportional to square of the time. One object falls 64cm in 2sec than in 6sec from how much height the object will fall.

Sol: The falling height is proportional to the square of the time.

Now, the falling height is 64cm at 2sec

So, the proportional constant is $=64 / (2^2) = 16$;

So, at 6sec the object fall maximum $(16 * 6^2)$ cm = 576cm;

Now, the object may be situated at any where.

If it is > 576 only that time the object falling 576cm within 6sec. Otherwise if it is situated < 576 then it fall only that height at 6sec.

91) Last year pandit was thrice his sister's age. Next year he is only twice her age. After 5 years what is pandit's age.

a) 2 b) 12 c) 11 d) 14

Ans: b

92) Jalia is twice older than qurban. If jalia was 4 years younger, qurban was 3 years

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older their diff. between their ages is 12 years what is the sum of their ages

a) 67 b) 57 c) 36 d) none

Ans: b

93) Father's age is 5 times his son's age. 4 years back the father was 9 times older than son. Find the father's present age.

Ans. 40 years

94) Joe's father will be twice his age 6 years from now. His mother was twice his age 2 years before. If Joe will be 24 two years from now, what is the difference between his father's and mother's age?

a) 4 b) 6 c) 8 d) 10

95) Anand finishes a work in 7 days; Bittu finishes the same job in 8 days and Chandu in 6 days. They take turns to finish the work. Anand on the first day, Bittu on the second and Chandu on the third day and then Anand again and so on. On which day will the work get over?

a) 3rd

b) 6th

c) 9th

d) 7th

In d 1st day Anand does $\frac{1}{7}$ th of total work

Similarly,

Bithu does $\frac{1}{8}$ th work in d 2nd day

Hence at the end of 3 days, work done = $\frac{1}{7} + \frac{1}{8} + \frac{1}{6} = \frac{73}{168}$

Remaining work = $(\frac{168-73}{168}) = \frac{95}{168}$

Again after 6 days of work, remaining work is = $(\frac{95-73}{168}) = \frac{22}{168}$

And hence Anand completes the work on 7th day.

Ans is d) 7th day

96) If TAFJHH is coded as RBEKGI then RBDJK can be coded as -----

Ans: qckkj

97) BFGGE CODED AS CEHD THEN CODE PVHDJ

Ans: QUICK

98) Find the no. of Y's followed by W but that is not followed by Z.

Y W R U D D Y W Z

99) If VXUPLVH is written as SURMISE, what is SHDVD ?

Ans. PEASA

(Hint: in the first word, the alphabets of the jumbled one are three alphabets after the corresponding alphabet in the word SURMISE. S = V-3, similarly find the one for SHDVD)

100) If DDMUQZM is coded as CENTRAL then RBDJK can be coded as -----

Ans. QCEIL

(Hint: Write both the jumbled and the coded word as a table, find the relation between the corresponding words, i.e. C= D-1, N=M+1 & so on)

101) In the word ECONOMETRICS, if the first and second, third and forth, forth and fifth, fifth and sixth words are interchanged up to the last letter, what would be the tenth letter from right?

Ans. word is CENOMOTEIRSC tenth word is R

102) If D_MUQZM is coded as CENTRAL then RBDJK can be coded as

103) In a certain format TUBUJPO is coded as STATION. The code of which string is FILTER?

104) What is the code formed by reversing the First and second letters, the third and fourth letters and so on of the string SIMULTANEOUSLY?

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105) In the word ORGANISATIONAL, by reversing if the first and second the third and fourth letters and so on of the string?

106) A power unit is there by the bank of the river of 750 meters width. A cable is made from power unit to power a plant opposite to that of the river and 1500mts away from the power unit. The cost of the cable below water is Rs. 15/- per meter and cost of cable on the bank is Rs.12/- per meter. Find the total of laying the cable.

Ans: 1000 (24725 - cost) 20250

Ans: Rs. 22,500 (hint: the plant is on the other side of the plant i.e. it is not on the same side as the river)

107) The cost of one pencil, two pens and four erasers is Rs.22 while the cost of five pencils, four pens and two erasers is Rs.32.How much will three pencils, three pens and three erasers cost?

Ans: 27

108) A shopkeeper bought a watch for Rs.400 and sold it for Rs.500.What is his profit percentage?

Ans. 25%

109) What percent of 60 is 12?

Ans. 20%

110) Three men goes to a hotel to stay, the clerk says \$30 per room/day so all the three plans to stay in one room so each pays \$10.After some time the clerk realizes that he made a mistake of collecting \$30 but the room cost only \$25, there fore he decides to return \$5 to them so he calls the room boy and gives him \$5 asking him to return. The room boy keeps \$2 with him and he returns only \$3(\$1 for each).Now Totally all have

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paid \$9 each(\$27)+room boy \$2 which is equal to \$27.where did \$1 go, who has made the mistake?

111) Two pencils cost 8 cents. Then 5 pencils cost?

Ans :(20 cents)

112)Which is more economical of the following

a)2kg -- 30/- b)8kg -- 160/- c)5kg -- 80/-

113)Sathish earns 240 weekly.12% of big amount + earning weekly = 540
what is the big amount

a)3200 b)3600 c)2500 d)1000

Ans: c

114) Bhanu spends 30% of his income on petrol on scooter. $\frac{1}{4}$ of the remaining on house rent and the balance on food. If he spends Rs.300 on petrol then what is the expenditure on house rent? a) Rs.525 b) Rs.1000 c) Rs.675 d) Rs.175

Ans: 175

115) A sporting goods store ordered an equal number of white and yellow balls. The tennis ball company delivered 45 extra white balls, making the ratio of white balls to yellow balls $\frac{1}{5}$: $\frac{1}{6}$. How many white tennis balls did the store originally order for?
a) 450 b) 270 c) 225 d) None of these

Ans: 180

116) There is a circular pizza with negligible thickness that is cut into 'x' pieces by 4 straight line cuts. What is the maximum and minimum value of 'x' respectively?

a) 12, 6 b) 11, 6 c) 12, 5 d) 11, 5

117) Match the following:

1. Male - Boy ---> a. A type of
2. Square - Polygon ---> b. A part of

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3. Roof - Building ---> c. Not a type of
4. Mushroom - Vegetables ---> d. A superset of
Ans: 1- d, 2- a, 3- b, 4- c

118) Match the following.

1. Brother - sister ---> a. Part of
2. Alsatian - dog ---> b. Sibling
3. Sentence - paragraph ---> c. Type of
4. Car - steering ---> d. Not a type of

Ans. 1-b, 2-c, 3-a, 4-d

119) Match the following

- 1) Scooter ----- Automobile A. A PART OF
2).Oxygen ----- Water B. A Type of
3).Shop staff ----- Fitters C. NOT A TYPE OF
4). Bug ----- Reptile D. A SUPERSET OF

Ans. 1-b, 2-a, 3-d, 4-c

120) What is the largest prime number stored in a—

-----> 6 bit pattern (ANS~ $2^6=64$, so no is 61)

-----> 7 bit pattern (ANS~ $2^7=128$, so no is 127)

-----> 8 bit pattern (ANS~ $2^8=256$, so no is 251)

----->9 bit pattern (ANS~ $2^9=512$, so no is 503)

121) What is the max 3 digit Prime no?

ANS=997

122) $G(0) = -1, G(1) = 1, G(N) = G(N-1) - G(N-2), G(5) = ?$

Ans - 2

123) $G(0) = 1, G(1) = -1$ IF $G(N) = 2 * (G(N-1)) - 3(G(N-2))$ Then what is the value of $G(4)$?

124) If $f(0) = 1$ and $f(n) = f(n-1) * n$, find the value of $f(4)$.

Ans: 24

125) If $g(0) = g(1) = 1$ and $g(n) = g(n-1) + g(n-2)$ find $g(6)$;

126) What is the power of 2? a. 2068 b.2048 c.2668

Ans: 2048

127) 8 to the power of x is 32, what is the value of x?

128) Power of 4 Ans-4096

129) Which one will be the exact power of 3?

(i) 2768 (ii) 2678 (iii) 2187

130) Complete the series—

a)3,8,a,24,b,48,63 [ANS~ a=15, b=35]

[HINT~DIFFERENCE IS 5, 7, 9, 11, 13, 15]

B)26,19,17,13,11, ,8,7 [ANS=9]

[HINT~26,17,11,8 DECREASING LIKE 9,6,3 & 19,13,9,7 DECREASING

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LIKE 6, 4, 2]

c)9,10,11,13,15, ,21,28 [ANS=19]

[HINT~9, 11, 15, and 21 INCREASING LIKE 2, 4, 6 & 10,13,19,28 INCRESING

LIKE 3, 6, and 9]

D) 4, -5, 11, -14, 22, --- [ANS= -27]

131) Number of faces, vertices and edges of a cube

ANS: 6,8,12

132) Find the value of—

a) $@@+25-++@16$, where @ denotes "square" & + denotes "square root". [ANS=621]

b) $$$%$6-%$%6$, where \$ means "tripling" & % means "change of sign". [ANS= -72]

c) $% # % 6 + # \%# 6$, % means "doubling" & # mean "reciprocal".

132) Select odd one out

1) LINUX, WINDOWS 98, SOLARIS, SMTP (ANS: SMTP)

2)MVS

3).JAVA b) LISP c) Smaltalk d)Eiffle Ans: LISP (All other languages are OOPS)

4)1.http 2.arp 3.snmp 4.sap Ans:sap

5)1.linux 2.windows NT 3.sql server 4.Unix Ans: Sql server

6)1.SAP 2.ARP 3.WAP 4.TCP IP

7)a. Oracle b. Linux c. Ingress d. DB2

a. SMTP b. WAP c. SAP d. ARP Ans:SAP

9)a. WAP b. HTTP c. BAAN d. ARP Ans:Baan

10)a. LINUX b. UNIX c. SOLARIS d. SQL SERVER Ans:SQL SERVER

11)a. SQL b. DB2 c. SYBASE d. HTTP Ans: HTTP

12)a. Oracle b. Linux c. Ingress d. DB2 ANS:LINUX

133) Find the singularity matrix from a given set of matrices? (Hint $\det(A) = 0$)

134) Which of the following are orthogonal pairs?

a. $3i+2j$ b. $i+j$ c. $2i-3j$ d. $-7i+j$

Ans: a, c

135) (a) $2+3i$ (b) $1+i$ (c) $3-2i$ (d) $1-7i$.Find which of the above is orthogonal.

Ans: a, c

136) Sum of slopes of 2 perpendicular st. lines is given. Find the pair of lines from the given set of options which satisfy the above condition?

137) If Rs.1260 is divided between A, B and C in the ratio 2:3:4, what is C's share?

Ans: Rs. 560

138)A sum of money is divided among A, B and C such that for each rupee A gets, B gets 65paise and C gets 35paise. If C's share is Rs.560, the sum is ...

a) 2400 b) 2800 c) 3200 d) 3800

139) Complete the series.

1) 3, 8, --, 24, --, 48, 63. Ans: 15, 35

2) Complete the series. 4, -5, 11, -14, 22, --- Ans - 27

3) SERIES: 2, 7, 24, 77, ----- (238) or (240)

4)77, 49, 36, 18,? Ans: 8 ($7*7=49$) ($4*9=36$) ($3*6=1$) ($1*8=$

5) series: 5 6 7 8 10 11 14?? Ans.15 or 18

6)15 14 12 11?? 9 8 Ans.10

7) what is the 12th term of the series 2, 5, 8 ... Ans. 35

8)58, 27, 12, x, 2, 1. Find x.

9)7, 9,13,_,27,37. Ans-19

10)2, 5, __, 19, 37, 75 Ans: 9

11) Complete the sequence 9, 10,11,13,15, __, 21, 28.

140) UNITS

1) (Momentum*Velocity)/ (Acceleration * distance) find units. Ans: mass

2) (energy * time * time)/ (mass * dist) = distance

3) (momentum * velocity)/ (force * time) = velocity

4) Find the physical quantity in units from the equation:

(Force*Distance)/ (Velocity*Velocity) Ans. Ns^2/m

5) Find the physical quantity represented by

[MOMENTUM *VELOCITY] / [LENGTH * ACCELERATION]?

141) Find the result of the following expression if, M denotes modulus operation, R denotes round-off, T denotes truncation:
 $M(373, 5) + R(3.4) + T(7.7) + R(5.8)$

ANS: 19

142) Which of the following highest Standard deviation
a) 7, -7, 7, -7, 7, -7 b) 7, 7, 7, 7, 7, 7 c) -7, -7, -7, -7, -7, -7 d) -7, 7, -7, 7, -7, 7

Ans: d

143) 232 expressed in base-5 is Ans: 1412

144) A building with height D shadow up to G. A neighbor building with what height shadows C feet.

|----|----|----|----|----|----|
A B C D E F G H

Sol: B Ft. or CD/G

145) In a fraction, if 1 is added to both the numerator at the denominator, the fraction becomes $\frac{1}{2}$. If numerator is subtracted from the denominator, the fraction becomes $\frac{3}{4}$. Find the fraction.

Ans. $\frac{3}{7}$

146) The sum of the digits of a two digit number is 8. When 18 is added to the number, the digits are reversed. Find the number?

Ans. 35

147) What number should be added to or subtracted from each term of the ratio 17 : 24 so that it becomes equal to 1 : 2.

Ans. 10 should be subtracted

Section-3 :(Critical Reasoning- 12 questions - 30 min)

Refer GRE BARRONS text book 12th Edition model papers.

Model paper 1: Sec - 5 , Sec- 6

Model paper 2: Sec -1 , Sec-6

Model paper 3: Sec -5 , Sec- 6

Model paper 4: Sec -5 , Sec-6

Model paper 5: Sec -3 , Sec-7

(Try to Mug up those sections .They will give definitely from those model papers only)

Technical Interview:

(Be prepare with 2 core subjects (basics) of u r Branch)

(Be prepare with basics of C and DS and some basic programs)

Basic C programs:

Ø Prime Number

Ø Sorting Techniques

Ø Searching techniques

Ø Factorial using recursion

Ø Fibonacci series using recursion

Ø Reverse the string

Ø Palindrome

Ø Armstrong no

- Ø Strong no
 - Ø Data structures concept
 - Ø Linked list concept
 - Ø Stack, queue Algorithms
-

Managerial Round:

- Ø Ask to solve any managerial problem regarding
Time management, Leadership qualities
- Ø Tell about u r self
- Ø Tell anything without interruption for 5 minutes (so be preparing in advance regarding
group leader qualities and so on

HR Interview:

- Ø Tell about your self(This include ur name , ur place, ur SSC school name with % ,
Intermediate college name with % , u r father ,mother, brother occupations- no need to tell
their names, u r role model, ur hobbies, strengths, Area of interest, and u r achievements)
- Ø Why TCS
- Ø Tell about your strengths
- Ø Tell about u r weakness
- Ø Tell about u r hobbies
- And so on

(Be confident with smiling face)

(If you fail to prepare then prepare to fail)

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ALL THE BEST –I WISH YOU HAVE A BRIGHT FUTURE

By
Anusha.

TCS PAPER ON 1st APRIL 2008

Hi friends..I am Geetha from SIT, Tumkur. TCS came to our campus on 1st april. 550 were appeared for written test.350 were short listed for interview,finally 234 were selected. first day ppt and online test.

It consists of three sections

- 1.verbal--synonyms,antonyms,sentence completion and passage.
- 2.apititude
- 3.critical reasoning.

1.verbal section--

most of synonyms and antonyms were from previous papers, go through that perfectly and also practice GRE high frequency words. sentence completion not a big problem and there was a big passage, you should be very fast in reading that.

2.apititude section--

almost all question from previous papers,only data may change.

example: series completion- 8,10,12,17,??,26,22

>348 in base 6

>DPNQVUFS is coded as COMPUTER then EJTQMBS

>ORGANISATIONAL, first is interchanged with sec,third with fourth and so on,then which is 10th char from right

> $a=10*18*22$ which is one is integer a)n/39 b)n//132..

> $(\text{momentum}*\text{distence})/(\text{velocity}*\text{velocity})=?$

> $f(0)=-1, f(1)=1 f(n)=f(n-1)+f(n-2)$,then $f(6)=?$

>@represents square and + represents square root whats yhe value of $@@+25-++@p$

>A is twice efficient as B and A complets work in three forth of time as B, A & B

together complets the work in 18 days,hw many days required for A to complete the work.

>problem on venn diagram.

>problem on pie chart.

>finding out equation of curve

>odd man out:a.linux b.unix c.db d.xp

>HTTP,SMTP,ARQ,SAP and 2 more

>problem on latitude.etc

3.critical reasoning

three paragraph each three questions. all from GRE 12th edition model test paper.

>model test paper 5,section 7,question 1-4

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>model test paper 1,section 5,question 8-11
>model test paper 4,section 6,question 17-21. practice makes man perfect.

out of 550,350 were short listed.interview on 2nd april. for those selected they will give TCS form fill that carefully dont make any mistakes.wht ever u write in ur resume fill d same in that bcoz they will see both. TCS interviewrs are very cool and friendly..

I tech interview first and then mr and hr.he was so cool,in d beggining v had a casual talk bcoz to make me comfortable.

he: good morning geetha

me: good morning sir. casula chat..

he: whats ur subject of interest

me: data structures,DBMS and operating system

he :whats operating system?

me: answered.

he: what all OS u know?

me: XP and Linux.

he: whats d diff b/n linux and unix

me: answered.

he: how c program gets stored in memory?

me: answered

he: whats data structures?

me: answered.

he: whats stack and queue?

me: answered.

he: write any program,if u write u will be in TCS,r u confident?

me: yes sir (with confidence).written to insert element into q and delete from queue and explained. finally he said u r selected do well in next rounds.

they will check confidence in u.. what ever u tell,tell confidently..

next round in mr

it was so so so cool,v had casual chat.about my name,its meaning,my family background, hobbies,etc.. be specific in ur hobbies,if u put singing they may ask u to sing,r monoact they ask u to do,cooking they may ask receipe,.they asked many of us to draw,sing monoact receipe,about rules of outdoor games etc..

finally hr..

there also v had casual talk..but be confident...

there was elimination after each round especially technical. final results was announced on 3rd april.234 were selected, I was also one of them.

ALL THE BEST..

Geetha..

TCS PAPER ON 2nd APRIL 2008

Hi friends, I am Sankalp S Rao from SRI SIDDHARTHA INSTITUTE OF TECHNOLOGY, TUMKUR. TCS had come for campus recruitment in our campus on April 2 and 3. The written rounds started at 10:15 am. I was the first to register for TCS in our col. I got my unique loginid and password. The written section consisted of 3 sections with a total duration of 90 min.

The written consists of 3 sections and is an online test of 90 min. It is conducted with Qubex (Quantitative Banking Examination) Software developed by CMC. You have to open the internet explorer and the QUBEX SOFTWARE window opens. It is just like rediffmail pop up window. So, all students get different set of question papers. On the right side of the Window you have the timer and question number with the link. The questions will appear in 3 different colours depicting the following

Red -- questions not answered.

Yellow- questions attempted but not answered.

Green -- questions answered.

- 1) Verbal (10 synonyms, 10 antonyms, 1 sentence completion paragraph with 6 blanks and 1 reading comprehension with 6 questions) --- 32 questions, 20min.
- 2) Aptitude section (32 questions, 40 min)
- 3) Critical Reasoning questions. (3 Problems with 4 questions on each ie 12 marks) -- 12 questions, 30 min

Verbal

The verbal consisted of 10 synonyms, 10 antonyms, 1 sentence completion paragraph with 6 blanks and 1 reading comprehension with questions. Five options will be there for each question. You have to mark the correct one. Some of the words I got were from previous papers and some were new. The reading comprehension was copy paste from GRE BARRONS 12th edition. Be very quick in this section as the reading comprehension and sentence completion are very lengthy. Guys and Gals please mark all the answers as there is no negative marking. If you don't know the answer mark all B's or all A's or all C's for the options. It gives you more probability of passing the written..

Quantitative Aptitude

This section consisted of questions from previous papers with slight modification of data. Practice bar graph, pie charts and Venn diagram.

Critical Reasoning

This section consisted of 3 Problems with 4 questions each. This section is copy paste from GRE BARRON 12TH EDITION. ALL THE 3 PROBLEMS I GOT WERE COPY PASTE FROM BARRONS. I COULD SOLVE THE 3 PROBLEMS IN 4 MIN. I CHECKED THE 3 PROBLEMS 4 TIMES IN THE REMAINING TIME. So friends

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practice barrons 12th edition problems.if you dont get answers memorise them.the questions and options appeared in the same to same order...

The results were announced at 7 PM .and we were given TCS RECRUITMENT forms. The next day we had technical round mr and hr round..The technical questions were

- 1) diff between 85 and 86?
- 2) What is an OS?
- 3) Types of OS? Real time, Multi tasking ,Multiuser,etc
- 4) What is normalization?
- 5) What are primary , foreign and reference keys?
- 6) Can primary foreign and reference keys be given NULL value? primary key null value cannot be given.
- 7) What is polymorphism?
- 8) Types of polmorphism? run time and compile time polymorphism

The hr was not conducted due to shortage of panel and time constraints. the mr was easy with only 3 questions

- 1) Tell me about yourself?
- 2) Where do u see urself in 5 years?
- 3) Why TCS?

The hr round was cancelled and a group discussion round was arranged.Friends TCS does not have GD. But they conducted gd because of shortage of time.so plz be prepared for that. Just speak something.

Finally the results were announced at 1030 at night. 85 people got through and ofcourse I got into my dream company TCS..We got the initial selection process letter from TCS. I am now a TCS associate and proudly say " EXPERIENCE CERTAINTY".

ALL THE VERY BEST FRIENDS. YOU TOO CAN DO IT. BE CONFIDENT AND ANSWER POSITIVELY.THATS WAT THEY LOOK AT..

MEET YOU IN TCS.....

TCS PAPER ON 2nd FEBRUARY AT NEW ELHI

First of all all u TCS aspirants i would like to say dat by GOD's grace n support of my friends n family i got in TCS. I also like to pay my regards to Fresher's world n all those who share dere experiences here Thankyou all..... TCS conducted campus drive in MSIT Janak-puri New Delhi,me n my college visited MSIT.I must say dat all dat u need is to believe in urself n almighty n everything will b fine(it's all in ur stars).

I would like to share my experience with u all who r preparing for TCS.

1st Round : Written(Online test)

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It's an online test consisting of 3 sections

1st section : Verbal

10 synonyms, 10 antonyms, n paragraphs

i would suggest don't prepare for dis section as it's really hard to remember synonyms n antonyms

i really not prepared for dis section

2nd section : Aptitude

Prepare dis section very well dis section consist of 32 questions. For dis section prepare d old TCS questions

bcoz dey r always same (questions r given in dis portal by a Galgotia's student). And try to attempt most of d questions

as dere is no negative marking. I attempted about 28 questions n dey are correct as i knew.

3rd section : Reasoning

12 questions will b dere. I have 3 paragraphs with 4 questions each. Prepare all 5 model test paper from

GRE Barrons (12th edition). They put exact paragraphs from Barron's n atleast prepare all those paragraphs

which have 4-5 questions. If u are not able to solve dem dan just mug up all of dem.

Technical Interview

For technical interview prepare ur previous semester main subjects.

Please try to do a project. In my case my technical interview goes for 30-35 min they were taking the technical interview for an average of 40 minutes.

So b prepared TCS really takes the Technical Interview.

Both of my interviewer's were very cool n supportive.

Int : Atul please come in

Me : i get in.

Int : Have ur seat Mr Atul

Me : Thankyou sir. (Don't sit untill dey asked u to do so)

Int : Tell me sumthing about urself (this is d obvious one so prepare it very well)

Me : Told.

Int : Tell me sumthing more ?

Me : I again started.

Int : What project have you worked on ?

Me : I told (I created a Pin-Ball game in Computer Graphics using C)

Int : Asked me the thorough working of the code n asked to explain

Me : I explained (dey try to make you confuse but have confidence in urself)

Int : Tell me sumthing about enum ?

Me : I told him with some examples.

Int : He asked me to access arrays through pointers ?

Me : I done dat n dan explained d procedure behind dis.

Int : He asked me about heap n binary search trees(as i mentioned DS as my area of interest)

Me : I explained him d properties n uses

Int : He asked about DBMS ?

Me : I said i m not dat much efficient in DBMS.

Int : He said u hav DBMS in ur 3rd semester n you is not efficient in dat?

Me : Sir i know d basics only

Int : Okay tell me some DBMS's

Me : I answered about 5

Int : Tell me d basic parts of CPU ?

Me : I answered

Int : Ok imagine u hav all these parts now assemble the CPU ?

Me : I told him the process step by step

During d interview dey try to c ur confidence about wat u r saying.

Try to explain with practical examples.They r not checking ur communication skills here bcoz in my case i speak a word in HINDI n one of the interviewer said ya go on afterall HINDI is our mother tongue so just try to b correct.

HR Interview

For HR interview i would suggest u to be confident.

bcoz this d only thing dat dey r looking for in dis round.Try to maintain smiling face whatsoever b d condition bcoz dis is d main reason due to which i was able to clear this round.

My Hr was 45-50 yr old very tall n very serious(i prayed lot dat i go in some other panel but....)

Hr : Atul come in

Me : i get in.

HR : Have ur seat Mr Atul

Me : Thankyou sir(he looked at me very pointingly)

HR : Tell me sumthing about urself(this is d obvious one so prepare it very well)

Me : Told(dis time i goes on n at last i said dats it from my side anything more u want to know Sir)

HR : What is Data-structures ?

Me : I explained.

HR : What r pointers ?

Me : I expalined(try to make a little bit hand movementsto show ur confidence but very little)

HR : What is structures ?

Me : I told him with some examples.

HR : He asked me who is the Prime MInister of India ?

Me : I said.

HR : Dan who is the Education Minister of India ?(Now my tough time starts)

Me : I said i don't know Sir.

HR : He said u don't know the Edu.Minister of ur country ?
Me : I said sorry Sir
HR : U is professional but not a complete professional
Me : Sorry sir but i will surely work on dat.
HR : Dan he asked a lot of questions on poltics n i was not able to answer dem
HR : He said wat is the future of IT in India speak on dat.
Me : I speak n told some good points to him
HR : He asked some more questions n finally he stare at me for 2 minutes n said ok
thankyou Mr.Atul
Me : I said thankyou sir n leave

During d interview dey try to c ur confidence n body language.They put u in odd conditions 2 c ur reaction Try to confident n please don't boast.They check ur communication skills here

She is really very beautiful n co-operative actually i really not felt as i was in my final interview. It was ver cool finally she asked me to wait for some time.

My final interview completes at 4'o clock n our result was announced at about 8:30pm. My NAME was dere in d finally selected list,i m d happiest person on earth. Through GOD's grace n my family's n friends support n hepl i made my way to TCS....

Best of Luck to all of u.....

TCS PAPER ON 2nd MARCH 2008

Hey Everybody... TCS conducts an online test which comprises of three sections.

Section 1: ENGLISH(40 Questions,20 Minutes)

Section 2:QUANTITATIVE APTITUDE(32 Questions,40 Minutes)

Section 3:CRITICAL REASONING(3 Paragraphs,30 Minutes)

SECTION 1:

This section comprises of 10 synonyms,10 antonymns and 2 comprehensions.

For synonymns and antonyms,refer GRE BARRON'S 12TH EDITION.Also refer to the antonym questions of part two and high frequency word list in any GRE'S edition.

Some of them which i got were:

ANTONYMS:

- 1.)Antithetical
- 2.)Stupefy
- 3.)Hidebound
- 4.)Hedge
- 5.)Sequestor

SYNONYMS:

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- 1.) Celibacy
- 2.) Equanimity
- 3.) Moribund
- 4.) Contumacious
- 5.) Pandemonium

For comprehensions, just properly attempt any one of the two. And the other one could be done away with guess work.

SECTION 2:

1.) Find the result of the following expression- $M(737, 7) + R(3.4) + T(7.7) - R(6.4)$ if, M denotes modulus operation, R denotes round-off, T denotes truncations?

Sol. $2+3+7-6 = 6$

2.) In a city, temperature at noon varies according to $-t^2/6 + 4t + 12$, where t is elapsed time. Find the percentage change in temperature from 3pm. to 6 pm.

Sol. In equation first put $t=3$,
we will get 25.5..... (1)

Now put $t=6$,
we will get 42..... (2)

So %change = $((42-25.5)/42)*100$
= 39.3

3.) If $g(0) = 1$, $g(1) = -1$ and $g(n) = g(n-1) - g(n-2)$ then calculate $g(5)$.

Sol. Start with $g(2) = g(1) - g(0) = -1 - 1 = -2$, $g(3) = g(2) - g(1) = -2 + 1 = -1$, $g(4) = g(3) - g(2) = -1 + 2 = 1$, $g(5) = g(4) - g(3) = 1 + 1 = 2$.

4.) Which shape will be obtained by using these values of X & Y?

X	Y
0	0.00001
10	1.02
100	1.72
1000	3.00
9999	4.72

Sol): $Y = \log_{10}(X)$

5.) Find the unit of given expression - $(\text{Force} * \text{Distance}) / (\text{Velocity} * \text{Velocity})$?

Sol. MASS

6.) A can copy 20 pages in 4 hours and A and B can copy 70 pages in 10 hours. How much time B will take to copy 26 pages?

Sol. A's 1 hour work = $20/4=5$ pages, A+B's 1 hour work = 7 pages So B's 1 hour work = $7-5=2$ pages. Time taken by B to copy 26 pages = $26/2=13$ hours.

7.) A, B and C are the mechanisms used separately to reduce the wastage of fuel by 20%, 30% and 10%. What will be the fuel economy if they were used combined?

Sol. Method is $(80/100*70/100*90/100)*100 = 50.4$

So, economy = $100-50.4 = 49.6$

8.) What is the largest prime number which can be stored in 6 bit register?

Sol. $61 \dots [(2^n)-1]$, it gives 64 but the nearest prime no is 61.

9.) How the given string how many Y's are followed by L that are not followed by PYLYPQMYLPMLYLLYQMYYLQYLPLYAMLYLM Sol. Only count pairs of YL and discard pairs of YLP. ans would be 4 in this case.

10.) Find d singular matrix from a given set of matrices?

a) $\begin{bmatrix} 2 & 3 \\ 4 & 5 \end{bmatrix}$ b) $\begin{bmatrix} 4 & 16 \\ 1 & 4 \end{bmatrix}$ c) $\begin{bmatrix} 0 & 5 \\ 1 & 5 \end{bmatrix}$ d) $\begin{bmatrix} 9 & 8 \\ 4 & 5 \end{bmatrix}$

Sol...b) $[\det(A) = 0 \text{ i.e. } ((a_{11}+a_{22})-(a_{12}+a_{21}))]$

11.) Which of the following are orthogonal pairs? a. $3i+2j$ b. $i+j$ c. $2i-3j$ d. $-7i+j$?

Sol. The product of slope(y/x) of two equations should be -1. Therefore ans is a and c.

12.) My flight takes off at 2am from a place at 18N 10E and landed 8 Hrs later at a place with coordinates 36N 80W. What is the local time when my plane landed?

Sol. Every 1 deg longitude = 4 minutes. If west to east add time else subtract time and measure the longitude from GMT. Since 90 degree = $90*4=360$ minutes = 6 hours. Don't take into account the value of N and S if any. So the local time of landing = $2+8-6=4$ am.

13.) In two dimensional array X(6,9) each element occupies 4 bytes of memory. If the address of first element X(1,1) is 3000 then what will be the address of the last element X(6,9) ?

Sol. $X(J,K) = \text{Base} + w[N(J-1) + (K-1)]$. This is what I read in DSA where M=6 and N=9. Therefore... $3000 + 4[9(2-1) + (3-1)]$

14.) A power unit is there by the bank of the river of 900 mtr width. a cable is made from power unit to power a plant opposite to that of the river and 3000 mtr away from the power unit. The cost of the cable bellows water Rs5 / mtr and cost of cable on the bank is Rs 4/ mtr. Find the pt where the cable cut through the river.

a. 2800 b. 3000 c. 2100 b. 3900

Sol. Just use simple trigonometry

Ans: 2100(3000-900)

15.) Find d Odd one out? JAVA b. LISP c. Small talk d. Eiffel

Sol. All other except LISP are object oriented programming languages.

16.) Match the following

- | | |
|--------------------------|------------------|
| 1. Male – Boy | a. A type of |
| 2. Square - Polygon | b. A part of |
| 3. Roof - Building | c. Not a type of |
| 4. Mushroom – Vegetables | d. A superset of |

Sol. 1- d, 2- a, 3- b, 4- c

17.) Which of the following having highest standard deviation?

- a. 9,0,9,0,9,0 b. 9,-9,0,9,0,-9 c. 9,-9,9,-9,9,-9 d. 9,9,9,9,9,9

Sol. C, standard deviation is 18 (i.e. the difference between two consecutive terms is highest).

And some questions from bar diagrams and pie charts.

SECTION 3:

For this section go through the model test papers of GRE BARRON'S 12TH EDITION. Please do them. Without them it would be difficult to solve them during the exam.

INTERVIEW:

I had three rounds of interview. The 1st one was technical, the second and third comprised of HR and MR questions. Your interview depends on the panel you have got. So a little bit of luck also plays its part in the interview. But remember to be confident, not overconfident. If you don't know something, tell them that you have read it somewhere but can't remember right at that moment or say sorry I have not read about it. Don't show your arrogance and don't interrupt the interviewer. Try to be humble to the most and try thinking before answering. Take your time and then answer but don't fumble while trying to answer at once. And also show them time and again how TCS has always been your Dream Company.

I am happy to be a part of such a prestigious company. If you believe in yourself and have faith in God, you'll definitely be a part of TCS too. So wishing ALL THE BEST to the aspiring ones.

TCS PAPER ON 3rd MARCH 2008

Hello

TCS recruitment procedure basically include 4 rounds:

1) Online Aptitude Test

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- 2) Technical
- 3) HR
- 4) MR

But in my case it was a bit different, after clearing the Aptitude test, i had 3 interviews in each of which i had to face all the three (technical, HR, MR) kind of questions.

I'll try to separate out the questions into the 3 categories.

TECHNICAL

Although I am a CSE student, I was questioned mostly on Electronics subjects. So do take care about brushing up Electronics and Physics also.

01. NAND Gate
02. Ways to connect a computer in India and another in Switzerland (only 1 or 2 won't do, they wanted ways)
03. Modulation-Demodulation
04. Working of a modem
05. Program for logic gates
06. Difference between MS Access and Oracle
07. RDBMS product in market
08. Why make queries and use SQL when u have MS Excel
09. Reflection, Refraction, Total Internal Reflection
10. Optical Fibre
11. Bit, byte, kilobyte, memory, etc in c, c++ and Java
12. Microwave

NON-TECHNICAL

01. Tell me something about urself
02. Why should we hire u?
03. What r ur weaknesses?
04. What is special about today? (Ans.: 3rd March is celebrated as Tata Day(Mr. Jamshed Tata's B'day))
05. What would u do if u are walking on a highway all alone with no means of communication and you witness an accident in which a motorcyclist is badly injured? There is no other vehicle to seek help from.
06. Why should we hire you?
07. Tell us about E-Major and E-Minor chords in guitar (my hobby)
08. Speak for 2 minutes on "Americas war on Iraq"
09. Difference between a Joint and Nuclear family
10. Where do u see urself 5yrs down the line
11. What would u like to do 24 hrs in a day
12. Why T.C.S.?
13. If microsoft or some other company pays u more than us, u'll leave us?
14. What would ur reaction be if u do not find ur name on the selection list and wat would u do?
15. What r the 2 changes u would want to make in the TCS recruitment procedure?

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16. What 2 improvements would u like to make in urself?
17. Founder of TCS?

A no. of more such questions were asked, these are the major ones. Each interview was of 25-30 minutes

They also take ur STRESS Test. For example, although I have more than 8.5 percentile, he scolded me for bad grades. He said that it was poor performance and i needed to study properly.

The basic trick is to keep ur cool and a smile on ur face. Pls do not try to fool them, if u dont know something, accept it then and there.

TCS PAPER ON 7th FEBRUARY 2008

Hello everyone! I am Kartik Bhandari, 3rd year student of Department of Electronics & Communication Engineering of Shaheed Udham Singh College of Engineering & Technology, Tangori. We took part in joint campus drive by TCS at MMEC Mullana on 6,7,8 Feb '08.

Written

As said by everyone here.. the question paper consisted of simillar questions like the ones available over here. I did not feel there was a single question new that did not occur in a previous paper. I suggest everyone to go through all the papers they can and to solve questions rather than mugging up the answers because the values do change and some of the answers provided here were even wrong (very few though). If you can solve these papers, around 20 atleast, theres not really any need of solving RS Aggarwal for TCS atleast.

For the verbal section, please go through barron's high frequency words, model test papers and learn all the previous paper synonyms and antonyms, additionally learn more words for the words already put up in past papers.

Lastly for critical reasoning do all the passages from Barron's 12 edition model test papers. My friends told that they had the same questions, some even had whole of the three passages as same. I did not go through many so i had only one same.. but i managed to solve the other two correctly.

For the written concentrate maximum on aptitude and then critical reasoning and lastly syn/ant in this order. but dont leave any because you never know they might put up sectional cut-offs.

Interviews

There were three rounds of interviews- Technical, HR & MR in that order. There were 16 pannels with two people in every pannel. They were very nice and comforting. Anyone

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who cleared a particular round was called for the next one within 2-10 mins in our case. Because there was a large number of people to be interviewed on the last day (3 colleges) so they were calling the people who cleared an interview as soon as his/her form reached the next level of panel. They had told that in case they fall short of time they will combine the HR & MR interviews.. but they did not.

In my and some more other candidates cases a strange thing happened.. We were confident of clearing the technical, but even when two hours passed we were not called for HR.. and some of the candidates who went for technical AFTER US had even gone for HR and then were waiting for a turn for MR.. we had assumed that we did not make it after 3 hours. We could not believe it.. i thought i gave the best technical interview, they were very happy with my tech interview.. and then.. when even HR calls stopped coming and MR were nearly done..

two of us waiting were called for MR!!!! we later found out that our panel was taking tech + hr together (this explains why mine and Amits interview went more then double the length of any tech interview and even had hr questions along with technical)..

These are some of the common questions asked at this placement session:

Technicals

Electronics:

Diff b/n capacitor n condensor

Pin config of 8085/8086

Diodes n its types

logic families or, xor,nor,and using nand

the question varied in their entirety.. so you need to brush up your basics.. although most of the questions asked were from c++ only.. if one couldnt fare well in c++ then they moved to electronics.. but in some cases they started with core electronics.. so its very random.. u just need to be confident

C++

define oops

swap program

call by value/refrence

pointers, pointer to pointer

data encapsulation

recursion

polymorphism

file handling

and they give some program to check/correct/explain/write etc

you need to know atleast breif details of all the topics in c++ if not the entire details.

HR

about urself (please avoid d rum of d mills " i am xyz, i did my schooling from abc i am in pqr college, i got so many marks n stuff... they can read this from your resume) they make question of what you say.. so be carefull in what you say and be very sure of everything you write in your resume
why IT (if from any other branch)
why TCS?
what are your career plans?
do you plan to go out of the country?
mba/gmat??
examples of how you can conclude on what your strengths are..
can you sign a bond?

MR

they scan your resume and ask you about some achievements they may give you some situations and ask how will you react to them some were even asked general knowledge questions basically they check your confidence and the way you handle things.

SOME USEFULL TIPS

- >dont think you can bluff them, dont even try to
- >if you dont know something, you can let them know that u dont know it, this wont harm you
- >dont be over confident
- >everything in your resume should be true and you should remember all details (paper presentations, awards, contests etc) they might test you
- >do not forget to go through their website.. you should know all new changes, d vision n mission, new clients, contracts etc (i knew all this and it helped me in both HR and MR interview as i could combine this knowledge about tcs with my answers)
- >be well dressed, dnt forget to greet, seek permission to sit/enter
- >be confident..

n lastly.. for the interview.. dont be nervous.. think of it as a person who is trying to know about you and you have to help him for the same..

when you go through the papers here at freshersworld.com you'l see every paper (of TCS atleast) ending with a "then the results were announced and i was selected.. see you at tcs" and it was then when i decided i will definately do the same.. so friends.. take this as a challenge that even you have to write the same here.. it was the first campus of our batch.. so not many could make it.. but i was one out of those who did.. yup "i got selected for TCS".. It feels great, and i wish all of you too get to exprience this!!

So all the very best to everyone!! "See you at TCS"

TCS PAPER ON 8th FEBRUARY 2008

Hi! I'm venus from Patiala (Punjab), doing Electronics n Comm. Engg .. a 3rd year student from Shaheed Udham Singh College of Engg & Tech., Tangori, Mohali...

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of all I want to thank freshersworld.com for providing such a platform to find detailed versions of test papers n interview experiences dat one can actually (almost) predict what its all goin to be like..

The following is a preview of how it all worked out for me!!

THE WRITTEN (ONLINE) TEST:

- Ø No sectional cut off
- Ø No negative marking
- Ø 3 sections : verbal (20 mins) , aptitude (40 mins) , critical (20 mins)
- Ø If u don't clear the apti, critical reasoning section doesn't open.. so u NEED to clear this section for sure!!
- Ø U can do to & fro in the same section.. but once the time is over 4 a particular section, u will not be able to even view the previous section's questions.. so, my advice wud be that u should keep attempting the questions as they come (as there's no -ve marking) & just keep noting down the guessed questions` numbers & if u get free time in the end, then come back to those & try to solve them..
- Ø Don't forget to submit each question after attempting.
- Ø Each question appears one by one in apti section.

VERBAL SECTION (20 mins)

10 synonyms, 10 antonyms.. all from GRE BARRONS 12th edition

(Download this book from online..)

Just do the exercises given at the back only..

Some ppl try to mug up d various comprehension passages of GRE barons.. but I cud solve it then n there..

just brush up on ur reading speed, n I guess it'll be a cake walk..

APTITUDE SECTION (40 mins)

There wasn't a SINGLE question that was not repeated.. (I wud recommend d paper posted by `anuj gupta` on dis site itself 4 referring 2 d various solved numericals dat r generally asked..)

There r around 38 questions dat u have 2 do in 40 mins.. but trust me, if u've done d previous question papers, u'll even have extra time left 4 reviewing n revising also..

Data interpretation question was asked too, but it as also easy..

CRITICAL REASONING (20 mins)

Only if u clear d aptitude section, will dis section open.. so, u'll knw dat if u've been scoring ok enough, critical reasoning section will appear.. just do d ones given in barrons model test papers.. n u'll have confidence.. though d names will be changed, so jus don't mug it up..

though, in my case, there were 3 passages with 4 questions each & i'd done most of d barons critical stuff.. but only 1 passage came from barrons n rest 2, I had 2 solve then & there.. so, keep ur cool even if u get a completely new reasoning passage..)

THE INTERVIEWS:

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There were in total 3 interviews.. a technical, an HR n an MR.. (I knw, sounds too many.. rite?)

But, believe me, if u`re done with d tech, u`re 95% there..

TECHNICAL INTERVIEW

There were 2 interviewees n I greeted them with a smile..

Well, it started quite vaguely.. I introduced myself, n told abt poetry as one of my interests.. (I do write poems.. n don`t ever try 2 cheat abt ur interests atleast..)

He asked me 2 recite a poem n also warned me dat it shudn`t be on net..

But, because I do write, I was confident abt my originality n they loved d poem..

A ew questions abt my av subject, c++ (told me to write a program of Fibonacci series), more ECE subject based questions.. Then, he went down to my achievements, my strengths n weaknesses.. I couldn`t believe that this was my tech interview goin on with those questions.. anyways, when I finished of with it, I knew that I`d left a mark..

HR & MR INTERVIEWS

I certainly b`lieve that once u r done with d tech, u r 95% there & that really boosted up my confidence to grab the opportunity comin my way.. to get placed in TCS & simply go in there with the same drive.. give ur best shot.. n ya, DON`T LOOK NERVOUS AT ALL, EVEN IF U R.. otherwise they`ll pull ur leg at each moment..

Well, HR & MR r mere formalities.. so, jus be in ur own self, calm & composed but at the same time energetic enough to interest them..

TCS PAPER ON 8th MARCH AT LUCKNOW

Hi friends, I m YUSUF KHAN (MCA 2006-09)from BBDNITM LKO. I was appeared in TCS recruitment process on 8th march 2008 at BBDNITM lko. There were three rounds-written test (online), TI (technical interview) and

HR round.

Basically TCS recruitment process starts with the online exam.

ROUND 1

Online exam pattern:: It basically consist three sections- VERBAL,QUANT APTITUDE and CRITICAL reasoning. There was no sectional cut off. Tcs has fixed cutoff for whole written test it is not based on the high scorers. So as u complete the test ,the result will be displayed immediately and if u r selected then u r eligible for other rounds.

VERBAL SECTION:

:it consists of 10 Antonyms,10 synonyms and abt 10 to 12 ques based on passage reading.

SYNONYMS:

florid
mirage
furor

choleric
infirmity
pinnacle
voracious
slump
placate
expound
ANTONYMS:
lugubrious
retrospection
industry
mitigate
synergy
boorish
gamely
indigenous
fascinate
prostrate

(Actually these are the words which I got in my test paper, but I would advise not to waste ur time in learning English first coz no one can get more than two or three words, so don't worry for that just see all the words from previous papers.)

SECTION -2 (APTITUDE)

1) If $\log 0.317=0.3332$ and $\log 0.318=0.3364$ then find $\log 0.319$?

Sol) $\log 0.317=0.3332$ and $\log 0.318=0.3364$, then $\log 0.319=\log 0.318+(\log(0.318-0.317)) = 0.3396$

2) My flight takes off at 2am from a place at 18N 10E and landed 10 Hrs later at a place with coordinates 36N70W. What is the local time when my plane landed?

6:00 am b) 6:40am c) 7:40 d) 7:00 e) 8:00

Sol) The destination place is 80 degree west to the starting place. Hence the time difference between these two places is 5 hour 20 min. ($=24\text{hr} \times 80/360$). When the flight landed, the time at the starting place is 12 noon (2 AM + 10 hours). Hence, the time at the destination place is 12 noon - 5:20 hours = 6: 40 AM

3) what's the answer for that : A, B and C are 8 bit no's. They are as follows:

A -> 1 1 0 0 0 1 0 1

B -> 0 0 1 1 0 0 1 1

C -> 0 0 1 1 1 0 1 0 (- =minus, u=union)

Find $((A - C) \cup B) = ?$ To find A-C, We will find 2's compliment of C and then add it with A, That will give us (A-C) 2's compliment of C=1's compliment of C+1
 $=11000101+1=11000110$ A-C= $11000101+11000110=10001001$

Now (A-C) U B is .OR. logic operation on (A-C) and B 10001001 .OR . 00110011 The answer is = 10111011,

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Whose decimal equivalent is 187.

4) In a two-dimensional array, X (9, 7), with each element occupying 4 bytes of memory, with the address of the first element X (1, 1) is 3000, find the address of X (8, 5)

Sol) initial $x(1,1) = 3000$ u hav to find from $x(8,1)$ so u have $x(1,1), x(1,2) \dots x(7,7)$ = so u have totally $7 * 7 = 49$ elements u need to find for $x(8,5)$? here we have 5 elements each element have 4 bytes : $(49 + 5 - 1) * 4 = 212$ ----(-1 is to deduct the 1 element) $3000 + 212 = 3212$

5)The size of a program is N. And the memory occupied by the program is given by $M = \text{square root of } 100N$. If the size of the program is increased by 1% then how much memory now occupied ?

Sol) $M = \sqrt{100N}$ N is increased by 1% therefore new value of $N = N + (N/100)$
 $= 101N/100$

$M = \sqrt{100 * (101N/100)}$

Hence, we get $M = \sqrt{101 * N}$

6)In two dimensional array X(7,9) each element occupies 2 bytes of memory.If the address of first element X(1,1)is 1258 then what will be the address of the element X(5,8) ?

Sol) Here, the address of first element $x[1][1]$ is 1258 and also 2 byte of memory is given. now, we have to solve the address of element $x[5][8]$, therefore, $1258 + 5 * 8 * 2 = 1258 + 80 = 1338$ so the answer is 1338.

7) The temperature at Mumbai is given by the function: $-t^2/6 + 4t + 12$ where t is the elapsed time since midnight. What is the percentage rise (or fall) in temperature between 5.00PM and 8.00PM?

8)If $g(0) = g(1) = 1$

And $g(n) = g(n-1) + g(n-2)$ find $g(6)$;

9)Find the physical quantity represented by $\frac{\text{MOMENTUM * VELOCITY}}{[\text{LENGTH * ACCELERATION}]}$?

10).Which is the largest prime number that can be stored in a 6-bit register?

11) In a two-dimensional array, X (9, 7), with each element occupying 4 bytes of memory, with the address of the first element X (1, 1) is 3000, find the address of X (8, 5).

ANS: 3212

12)Select the odd one out a. Oracle b. Linux c. Ingress d. DB2

ANS: LINUX

13)In which of the system, decimal number 194 is equal to 1234?

ANS:5

14) Number of faces, vertices and edges of a cube
ANS:6,8,12

15) Find the result of the following expression if, M denotes modulus operation, R denotes round-off, T denotes truncation:
 $M(373,5)+R(3.4)+T(7.7)+R(5.8)$ ANS:19

16)If TAFJHH is coded as RBEKGI then RBDJK can be coded as -----
ANS: PCCKJ

17) Which of the following are orthogonal pairs?
a. $3i+2j$ b. $i+j$
c. $2i-3j$ d. $-7i+j$
ANS: (A)& (C).

18) What is the power of 2? a. 2068 b.2048 c.2668
ANS: (B). 2048

19)Which of the following set of numbers has the highest Standard deviation?
1,0,1,0,1,0
-1,-1,-1,-1,-1,-1
1,1,1,1,1,1
1,1,0,-1,0,-1

20). Match the following:
1. Male - Boy --->
a. A type of
2. Square - Polygon --->
b. A part of
3. Roof - Building --->
c. Not a type of

(All questions are repeated so learn the answers of all ques from previous year paper, so plz go through all prev year questions)

CRITICAL SECTION::

Actually this is the most important, scoring and deciding section of the test.

All the questions are from GRE BARON (strictly 12th edition) so go through all 5 model test paper's analytical section (1 to 5) given at last in Baron. No need to waste ur time and money in buying other books for TCS just go through Baron only ,all questions are from this book.

ROUND 2: TECHNICAL INTERVIEW::

Be prepared for the technical interview. Mostly its on the same day after one hour.Prepare few of ur subjects very well like C,C++,DS,DBMS(specially

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queries), OS, COMP Networks, OOPs concepts etc. Hey friends don't be afraid, they will not ask u anything in depth they just check ur awareness and ask only some basic conceptual questions. They may ask abt ur fav subjects bt still they ask u abt DBMS n other subjects that u hv studied in earlier sem, so don't tell them the names of the subjects in which u don't hv good command. If u don't know anything abt the ques asked by them then don't try to make false stories or guesses, just simply deny that u don't know, and always try to divert them towards ur fav subjects. They will ask u abt ur project ,if u hv done any, so be prepared for it, it's E R diagram, SRS, front end, back end, DFD, and overview of the project etc. Don't BE quiet, be talkative nd don't get embarrassed if u don't know the answer. be confident. i m attaching few most important ques of DBMS, SQL, C, C++ etc for TI , just go through them if u don't hv much time, it will be enough. So u people can download it or if u don't hv it just ask me on my e-mail(yusufkhan_mca@yahoo.co.in).

ROUND 3: HR ROUND::

The key elements for this ROUND according to me are-CCT i.e. be Calm, be Confident(not over confident) and be Talkative. Basically they ask u all those ques that are typically asked in all interviews so be prepared for it ,readymade answers. Normally they check ur confident level, English speaking, and wat efforts u hv done before coming to face HR interview. Just go through the home page of TCS website and collect in formations abt them like::

Who is chairman, CEO, CFO, COO of TCS, BOARD of directors, Company's MISSION , VISION and VALUES, Target achieved by company during last few yrs, position of company in IT field etc.

Questions for HR (be prepared for atleast these ques)

1. Describe yourself??
2. ur hobbies(be prepared for this ques coz they will ask u much abt that ,if u say singing be prepare for a song,if u say joking be prepared to tell them a joke etc.)
3. Why u want to join TCS??
4. Where would u think urself after five years in TCS?
5. Why should I hire u??
6. they may ask u something abt tcs?its statistics, CEo,CFO etc.
7. whats ur fav time pass??
8. ur strength ,ur weakness (don't tel them any grt weaknes of urs like if u hv less communication skills, etc)
9. Do u have any role model?? Describe his/her achievements?
10. Finally they will ask u do u want to ask something from them? So if u hv some genuine ques to ask u may ask.

Statistics::

Overall 580 students appeared for written test.

Qualified for round 2::360

Qualified for round 3::195

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Finally selected:90 students

B-Tech 86 from all branches and MCA's only four (coz only 17 appeared for written)

Finally result was announced on 11th march 08 at 12:30 a.m. and I was selected.

So all the best n meet u in TCS.

TCS INTERVIEW ON 9th MARCH 2008

Hello Guys . This is Ashutosh Kumar Singh (B.Tech 3rd year CS). TCS conducted a recruitment Drive in my college (V.I.E.T , Ghzbd) on 9th March 2008 (for three days). I cleared the written exam (online) . For written exam , just go through the previous papers & Barron's 12 Edition . This will be sufficient . But, b careful not to press d 'Exit' button . It'll lock ur answers .

Interview was a three round process .

- Technical Round .
- HR Round .
- Mangerial Round .

Technical Round :

Firstly ,I entered the room for the technical interview .

I said "May I come in Sir" .

He said "Come in" .

I said "Good Morning" to both the interviewers (actually 1 was male & another female).

I said "May I sit" They said "Sure" .

The first question for me is "Tell me about yourself" .

Told .

Then they immediately shifted there focus to technical part . They read (in my CV) about my first Project .

He asked "Wht's platform for dis".

I said "Java Sir" .

He said "You know Java" .

I said "only Core Java" .

He asked "What is Multithreaded ?" . Told . (Upto 5 mins he asked questions related to Multithreading , I gave answer to all questions) .

He asked "Wht is Inheritance ?" . Told .

He asked "Is dere any concept of Multiple Inheritance ?" .

I said "No" .

He asked "Then How can we achieve Multiple Inheritance ?" .

I said "We can use Interfaces" . He asked few questions on Interfaces .

He asked about RDBMS . (My favourite) . I told everything about RDBMS .

He asked "Wht is DDL & DML ?" .

Told .

They both asked a lot questions on RDBMS & answered all of them .

Finally the lady questioned "Do u know JDBC ?"

I said "Yes ! I used JDBC in my project" .
Then She said "Can u just write the code to connect Java with any Database ?".
I wrote the whole code for connection . And then I came out of the room .

HR Round :

After 5 mins or so ,I got a call for Hr interview .
I entered the room "May I come in MAM ?" . There were two sweet females .
I said "Good morning Mam" .
They said "Good morning" .
They said "Tell me about yourself which is not mentioned in ur CV".
I said "My hobbies r ... , My strengths are ... , My weakness are ..." . In d weakness section I said "Due to dedicated work my social Life gets affected" .
She said "Ashutosh ! U r very smart" . She repeated this sentence thrice .
But I repeatedly said "Mam whether u believe it or not it's a fact" . I even mentioned some of my instances where I actually suffered due to work .
She said " Why TCS ?" . Told .
She said "If we place u somewhere like Trivandaram ?"
I said "No problem ! Mam".
She told me about the Bond of Rs. 50000 , that if I'll leave TCS b4 2 years ,then I'll have to pay this much of amount . "R u comfortable with the amount ?"
. I said "I'll not leave TCS for my whole life .So, I don't have to worry about this amount"
After few more questions , I got out of the room .

MR round (Next Day) :

I entered the room saying " May I come in Sir" . This time there was only 1 single guy .
He seems to b a very experienced man .
He said "Come in" .
He said "Tell me about yourself , Explain both ur projects (2) . This time only u'll speak & I'll listen" .
I started off & ended up explaining my both two projects .
He asked few questions on my project (especially from the second project) .
Then he asked me some general questions .At last he asked me to solve 1 puzzle "There r 9 points & I was supposed to join dese points with only 4 lines " .
I did this .
Then he again gave another puzzle ,which was a bit tough for me . I wasn't able to solve dis 1 .
It's like if u dont answer or able to crack dese baffles ,u dont need to b worry ,coz dese things hardly matters . But ,If u'll solve dem ,it'll b an added advantage for u .
Otherwise ,I think dat only d Technical interview is important .
It's like 70% - Tech interview , 20% - Hr Interview & 10 % - Mr Interview .

After 3-4 long hours results were announced & My name was there . I was very happy .
It's very easy to crack TCS . Guys u can do it , I must say AnyBody can do it .

TCS PAPER ON 11 MARCH AT LUCKNOW.

Hello friends .I m Ashok Maurya from INTEGRAL UNIVERSITY. my branch is ECE.i appeared in the campus placements organized by TCS held at Integral University on 11th & 12th march 08. There was no sectional cut off, no upper cut off, but what i felt was that for critical reasoning u must have to do at least one passage consisting of 4 questions correctly .

WRITTEN TEST:

It was an online test which consisted of three sections: 1) Verbal. 2) Quantitative Aptitude. 3) Critical Reasoning. VERBAL SECTION: It consisted of 10 antonyms, 10 synonyms and two passage in which you have to fill in the blanks with correct sentences. For antonyms do only the 5 model test papers & for synonyms prepare the exercises in the high freq. word list. Though I got only 4 antonyms & 2 synonyms in the paper but it is enough & rest of all I marked option c. For passage the time left was very less. It's a bit difficult but don't worry, u can get through even if u don know anything in verbal. Refer barrons 12th edition only.

QUANTITATIVE APTITUDE:

It consisted of 38 questions 40 mins. Very easy. All previous year questions were repeated. Sometimes they don't even change the data. I will suggest that go through all d previous yrs papers. Some questions which I remember are given below:

1. Exact power of 2?

Ans: 4096 , Hint: $2^{10}=1024, 2^{12}=1024*4=4096$.

2 Find the result of the following expression if, M denotes modulus operation, R denotes round-off, T denotes truncation: $M(373,5)+R(3.4)+T(7.7)+R(5.8)$

Ans: 19

3. What is the largest prime number that can be stored in a 9-bit memory?

Ans: 509

4. Find the physical quantity in units from the equation:

$(\text{Force} * \text{Distance}) / (\text{Velocity} * \text{Velocity})$

Ans: Ns^2/m

5. Find the value of $@@+25-++@16$, where @ denotes "square" and + denotes "square root".

Ans: 621

6. If $G(0) = -1$ $G(1)= 1$ and $G(N)=G(N-1) - G(N-2)$ then what is the value of $G(6)$?

Ans: -1 bcoz $g(2)=g(1)-g(0)=1+1=2$ $g(3)=1$ $g(4)=-1$ $g(5)=-2$ $g(6)=-1$

7. Convert the decimal number 310 to the base 6.

Ans: 1234

8. Find the missing number in the series: 2, 5, __, 19, 37, 75

Ans: 9

9. In a two-dimensional array, $X(9,7)$, with each element occupying 8 bytes of memory, with the address of the first element $X(1,1)$ is 3000, find the address of $X(8,5)$?

10. What's the answer for that if A, B and C are 8 bit no's. They are as follows: A -> 1 1 0 0 0 1 0 1 B -> 0 0 1 1 0 0 1 1 C -> 0 0 1 1 1 0 1 0 (- =minus, u=union) Find $((A - C) \cup B) = ?$

Ans: 187, Hint: To find A-C, We will find 2's compliment of C and then add it with A, That will give us (A-C) 2's compliment of C=1's compliment of C+1=11000101+1=11000110 A-C=11000101+11000110=10001001 Now (A-C) U B is .OR. Logic operation on (A-C) & B 10001001 .OR . 00110011 The answer is = 10111011, Whose decimal equivalent is 187

11. Select the odd one out a. SMTP b.WAP c. SAP d. ARP

Ans: c

12. Select odd one- sql, db2, Sybase, http

Ans: http

13. Which of the following are orthogonal pairs? a. $3i+2j$ b. $i+j$ c. $2i-3j$ d. $-7i+j$

Ans: a & c

14. Number of faces, vertices and edges of a solid planar cube. a. 12,8,6 b.4,6,8 c. 6,8,12 d. 6,12,8

Ans: c , Hint: faces=6, vertices=no. of points or corners where edges meets=8, edges=12

15. A file is transferred from one location to another in 'buckets'. The size of the bucket is 10 kilobytes. Each bucket gets filled at the rate of 0.0001 kilobytes per millisecond. The transmission time from sender to receiver is 10 milliseconds per bucket. After the receipt of the bucket the receiver sends an acknowledgement that reaches sender in 100 milliseconds. Assuming no error during transmission, write a formula to calculate the time taken in seconds to successfully complete the transfer of a file of size N kilobytes.

Ans: $(N/1000)*(N/10)*10+(N/100)$(not sure)

16. Which of the following is a singular matrix.

Ans: Determinant must be zero.

17. If Rs.1260 is divided between between A, B and C in the ratio 2:3:4, what is C's share?

Ans: Rs. 560

19. A graph was given. And equation of the curve was asked.

Ans: $\log 10x$

20. In a city, temperature at noon varies according to $-t^2/6 + 4t + 12$, where t is elapsed time. Find the percentage change in temperature from 3pm. to 6 pm

Ans: In equation first put $t=3$, we will get 25.5..... (1) Now put $t=6$, we will get 42..... (2) So %change = $((42-25.5)/25.5)*100 = 39.3$

21. SURFW Code is translated as SHEET.....these kind of questions were there.....

22. 2 students get 3 and 3.5 in their class exam and 1.4 and 1.65 in final exam respectively. Wt might be the class marks of 3rd student who have got '0' marks in final exam?

23. find the value of the 678 to the base 7.

Ans: 1656

24. find the result of following expression if M denotes modulus operation, R denotes round off, T-truncation: $M(373,5)+R(3.4)+T(7.7)+R(5.8)$

Ans: $3+3+7+6=19$

25. If TAFJHH is coded as RBKGI then RBDJK can be coded as?

Ans: PCCKJ

26. Three companies are working independently and receiving the savings 20%, 30%, 40%. If the companies work combinely, what will be their net savings?

Ans: suppose total income is 100 so amount x is getting is 80 y is 70 $z=60$ total=210 but total money is 300 $300-210=90$ so they are getting 90 rs less 90 is 30% of 300 so they r getting 30% discount

27. If $n=10*18*38$ which of the following is not an integer? a. $n/40$ b. $n/90$ c. $n/72$ d. $n/35$

Ans: $(10*18*38)/35$ is not an integer so ans = d ($n/35$) 28. The program size is N , the memory occupied by the program is $4000\sqrt{N}$. if the program size is increased by 1%. then what is the percentage increase in memory,

Ans: 0.5%

29. which of the following has highest standard deviation? A) 5,0,5,0,5,0. b) 5,5,5,5,5,5

c) 5,5,5,5,0,5 d) -5,5,-5,5,-5,5

Ans: the formula for finding std.deviation is square root of summation $(x-(x\text{bar}))^2/n$, where n is the no. of terms.

30. b,v,q,q,m,b,v,f,m,g,v,f,f,v,f,m,b,v,f,b,g,d,v,f,a,m,v,f,v,f,f. How many v's are such that each v is followed by f next to it, if the f is not followed by f next to it?

31. A power unit is there by the bank of a river 900 mtr wide. a cable is made from unit to power plant opposite to that of the river and 3000 mtr away from the power unit. the cost of the cable below water rs 5/mtr. and cost of cable on the bank is rs 4/mtr. find the point where cable cut thru river.

Ans: 2100

32. My flight takes off at 2 am from a place at 18N 40E and landed 10 HRS later at a place with co-ordinates 36N 40W. WHAT IS THE LOCAL TIME WHEN MY PLANE LANDED.

a) 2.50 pm, b) 6.00 pm, c) 6.40 pm, d) 8.00 pm

Ans: for every one degree from east to west or west to east there is time change by 4 minute. if we r going from east to west then subtract the time otherwise add. here plane is going from 40 dgr east to 40 dgr west. therefore there is total change of 80 dgr i.e by $80 \times 4 = 320$ minutes or 5 hrs and 20 minutes. therefore time taken by plane is 2+8-5 hour 20 minutes i.e 6.40 pm.

33. Find the unit of given expression - $(\text{Force} \times \text{Distance}) / (\text{Velocity} \times \text{Velocity})$?

Ans: MASS

34. 1. SCOOTER ----- AUTOMOBILE --- A. PART OF

2. OXYGEN ----- WATER ----- B. A Type of

3. SHOP STAFF ----- FITTERS ----- C. NOT A TYPE OF

4. BUG ----- REPTILE ----- D. A SUPERSET OF

Ans: 1) B 2) A 3) D 4) C

There were 3 questions on vein diagram: some speak French, some speak English..... & 3 questions on bar graph..... For these type of questions r.s. agrawal is best.

CRITICAL REASONING:

This section consisted of 3 passages and 4 questions each (total 12 question). It was for 30 mins. All the questions were from 12 edition Barron's. They don't even change the data and the order of questions. They just cut copy paste from BARRONS 12 EDITION.

Since it was online test for us so everyone had different set of questions. For this section I would suggest that do all the analytical passages, having 4 or more questions, from the 5 model test papers of Barron's 12th edition. if u r not able to understand then just learn or mug up the answers. The passages that I got were:

1. First question was red and brown marriage group.....
2. Second was hotel Miramar.
3. Third was the Prahtu & Brahtu.

TECHNICAL AND HR INTERVIEW:

I had the technical & hr interview on the next day, in the afternoon just after lunch. My first question was tell about ur self. I m from ECE branch & since I haven't mentioned any subject of interest so they started asking the basics of electronics..... Like diode, rectifier (half wave, full wave, center tapped, bridge rectifier etc....), characteristics of diode, zener diode, avalanche breakdown, BJT, FET, uses of pnp transistor, configurations (common base, CE, CC), gain factor β etc..... Then he started asking from digital elec like multiplexer, demux, decoder, flip flops (types, logic diagram, etc....), thyristors from power elec, some quest were from communications..... then he asked the basics of c++ & asked me to write a program for finding largest of 3 nos. comparing a no. not more than twice, in one line.

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Hint: $a > b ? (a > c ? a : c) : (b > c ? b : c)$

Then they asked general questions like: Why tcs? u r from elex background then why IT sector? etc..... Please remember whether u r a IT or a non IT student they expect u to have some basic idea about c or c++. He gave me some situations asked that what will u do in that situation.....plz keep in mind that even if u don't know the answer just give a cute smile & be confident.....

I thought that my tech & hr were combined but after some time I got a call for hr . there he asked the similar questions like tell abt ur self, why tcs,etc.....then he asked about my father what he do & family background.then he asked about the TATA crucible (a quiz) that I mentioned in my cv.....asked my hobbies & asked that what I think on India Vs Australia controversies.....DO prepare basic information about tcs.(especially its vision mission n values.....its CEO,chairman..company's status.recent news about comPANY....etc... & listen the pre placement talk carefully). Finally they asked me do u want 2 ask anything?.....so DO prepare some qs 4 this.....What I asked was that :what I m lacking & what u expect me to do to improve it , since I have still 1 yr to spend at the college b4 joining, so it can benefit me as well as the company. He smiled & answered.

My friends & my seniors helped me a lot.....i thanx to all of them.....the main thing is that just be confident and have a smile on your face. That is the secret to get through TCS. In the night the results were declared & I was one among the students to be selected.

BEST OF LUCK!!!!!!!!!!!!!! MEET YOU AT TCS.

TCS PAPER ON 11th MARCH 2008 AT LUCKNOW

Hi friends i am RAHUL from INTEGRAL UNIVERSITY . . .i have got placed with TCS , thru campus placements.....out of 207 .students 98 cleared written and finally 32 selected. n i am thankful to each one of u for being so informative thru this group n specially to all those who provided me with info abt TCS in last few days... thr selection procedure.

1. u need to hv first class throughtout(10th,12th,grad)
2. engineering student then 60% n above
- 3.if post grad(MCA) 60% n above

Paper pattern

1- set has three sections

a> English(10 antonyms n 10 syno.)...(32 marks 20 mins)

b> Reading comprehension passages and comleting sentence(6 + 6)marks

2nd section is Quantitative...(40 mins 32 ques)..

3rd section is Critical reasoning..(30 mins 12 ques..)

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FOR ANTONYMS N SYNONYMS

just go through the barrons 12 edition .but i think thats too much so its better not to worried about the antonyms and synonyms .they are too tough and dont waste ur time in that becoz the time allotted for this section is just 20 minutes.....and you have to complete the reading comprehension and sentence completion as well.....

REMEMBER- there is no sectional cut off and no upper or lower cut off neither any type of negative marking.....so attempt all the question.....

QUANTITATIVE SECTION

they are just repeating these section every time some of the questions are TCS PAPER ON 19th JANUARY 2008

1) If $\log 0.317=0.3332$ and $\log 0.318=0.3364$ then find $\log 0.319$?

Sol) $\log 0.317=0.3332$ and $\log 0.318=0.3364$, then
 $\log 0.319=\log 0.318+(\log(0.318-0.317)) = 0.3396$

2) A box of 150 packets consists of 1kg packets and 2kg packets. Total weight of box is 264kg. How many 2kg packets are there ?

Sol) $x=2$ kg Packs

$y=1$ kg packs

$x + y = 150$ Eqn 1

$2x + y = 264$ Eqn 2

Solve the Simultaneous equation; $x = 114$

so, $y = 36$

ANS : Number of 2 kg Packs = 114.

3) My flight takes off at 2am from a place at 18N 10E and landed 10 Hrs later at a place with coordinates 36N70W. What is the local time when my plane landed?

6:00 am b) 6:40am c) 7:40 d) 7:00 e) 8:00

Sol) The destination place is 80 degree west to the starting place. Hence the time difference between these two places is 5 hour 20 min. ($=24\text{hr} \times 80/360$).

When the flight landed, the time at the starting place is 12 noon (2 AM + 10 hours).

Hence, the time at the destination place is 12 noon - 5:20 hours = 6: 40 AM

4) A plane moves from 9°N40°E to 9°N40°W. If the plane starts at 10 am and takes 8 hours to reach the destination, find the local arrival time ?

Sol) Since it is moving from east to west longitude we need to add both

ie, $40+40=80$

multiply the ans by 4

$\Rightarrow 80 \times 4 = 320\text{min}$

convert this min to hours ie, 5hrs 20min

It takes 8hrs totally . So $8-5\text{hr } 20\text{ min} = 2\text{hr } 40\text{min}$

So the ans is 10am+2hr 30 min

\Rightarrow ans is 12:30 it will reach

5) The size of the bucket is N kb. The bucket fills at the rate of 0.1 kb per millisecond. A programmer sends a program to receiver. There it waits for 10 milliseconds. And response will be back to programmer in 20 milliseconds. How much time the program takes to get a response back to the programmer, after it is sent? Please tell me the answer with explanation. Very urgent.

Sol) see it doesn't matter that what the time is being taken to fill the bucket. after reaching program it waits there for 10ms and back to the programmer in 20 ms. then total time to get the response is $20\text{ms} + 10\text{ms} = 30\text{ms}$...it's so simple....

6) A file is transferred from one location to another in 'buckets'. The size of the bucket is 10 kilobytes. Each bucket gets filled at the rate of 0.0001 kilobytes per millisecond. The transmission time from sender to receiver is 10 milliseconds per bucket. After the receipt of the bucket the receiver sends an acknowledgement that reaches sender in 100 milliseconds. Assuming no error during transmission, write a formula to calculate the time taken in seconds to successfully complete the transfer of a file of size N kilobytes. $(n/1000)*(n/10)*10+(n/100)$as i hv calculated...~~!not 100% sure

7) A fisherman's day is rated as good if he catches 9 fishes, fair if 7 fishes and bad if 5 fishes. He catches 53 fishes in a week n had all good, fair n bad days in the week. So how many good, fair n bad days did the fisherman had in the week

Ans: 4 good, 1 fair n 2 bad days

Sol) Go to river catch fish

$$4*9=36$$

$$7*1=7$$

$$2*5=10$$

$$36+7+10=53...$$

take what is given 53

good days means --- 9 fishes so $53/9=4$ (remainder=17) if u assume 5 then there is no chance for bad days.

fair days means ----- 7 fishes so remaining 17 --- $17/7=1$ (remainder=10) if u assume 2 then there is no chance for bad days.

bad days means -----5 fishes so remaining 10--- $10/5=2$ days.

Ans: 4 good, 1 fair, 2bad. ===== total 7 days.

$$x+y+z=7\text{----- eq1}$$

$$9*x+7*y+5*z=53\text{-----eq2}$$

multiply eq 1 by 9,

$$9*x+9*y+9*z=35\text{-----eq3}$$

from eq2 and eq3

$$2*y+4*z=10\text{-----eq4}$$

since all x,y and z are integer i sud put a integer value of y such that z sud be integer in eq 4and ther will be two value $y=1$ or 3 then $z = 2$ or 1 from eq 4

for first $y=1, z=2$ then from eq1 $x= 4$

so $9*4+1*7+2*5=53$ satisfied

now for second $y=3 z=1$ then from eq1 $x=3$

so $9*3+3*7+1*5=53$ satisfied

so finally there are two solution of this question
 $(x,y,z)=(4,1,2)$ and $(3,3,1)$...

8) Y catches 5 times more fishes than X. If total number of fishes caught by X and Y is 42, then number of fishes caught by X?

Sol) Let no. of fish x catches= p
no. caught by y = r
 $r=5p$.
 $r+p=42$
then $p=7, r=35$

9) Three companies are working independently and receiving the savings 20%, 30%, 40%. If the companies work combinely, what will be their net savings?

suppose total income is 100
so amount x is getting is 80
y is 70
z =60
total=210
but total money is 300
 $300-210=90$
so they are getting 90 rs less
90 is 30% of 300 so they r getting 30% discount

10) The ratio of incomes of C and D is 3:4.the ratio of their expenditures is 4:5. Find the ratio of their savings if the savings of C is one fourths of his income?

Sol) incomes:3:4
expenditures:4:5
 $3x-4y=1/4(3x)$
 $12x-16y=3x$
 $9x=16y$
 $y=9x/16$
 $(3x-4(9x/16))/((4x-5(9x/16)))$
ans:12/19

11) If $G(0) = -1$ $G(1)= 1$ and $G(N)=G(N-1) - G(N-2)$ then what is the value of $G(6)$?

ans: -1
bcoz $g(2)=g(1)-g(0)=1+1=2$
 $g(3)=1$
 $g(4)=-1$
 $g(5)=-2$
 $g(6)=-1$

12) If A can copy 50 pages in 10 hours and A and B together can copy 70 pages in 10 hours, how much time does B takes to copy 26 pages?

Sol) A can copy 50 pages in 10 hrs.
A can copy 5 pages in 1hr.(50/10)

now A & B can copy 70 pages in 10hrs.
thus, B can copy 90 pages in 10 hrs.[eqn. is $(50+x)/2=70$, where $x \rightarrow$ no. of pages B can copy in 10 hrs.]
so, B can copy 9 pages in 1hr.
therefore, to copy 26 pages B will need almost 3hrs.
since in 3hrs B can copy 27 pages.

13) what's the answer for that :

A, B and C are 8 bit no's. They are as follows:

A \rightarrow 1 1 0 0 0 1 0 1

B \rightarrow 0 0 1 1 0 0 1 1

C \rightarrow 0 0 1 1 1 0 1 0 (- =minus, u=union)

Find $((A - C) \cup B) = ?$

To find A-C, We will find 2's compliment of C and then add it with A,

That will give us (A-C)

2's compliment of C = 1's compliment of C + 1

$= 11000101 + 1 = 11000110$

A-C = $11000101 + 11000110$

$= 10001001$

Now (A-C) \cup B is .OR. logic operation on (A-C) and B

10001001 .OR. 00110011

The answer is = 10111011 ,

Whose decimal equivalent is 187.

14) One circular array is given (means memory allocation takes place in circular fashion) dimension (9×7) and starting add. is 3000, What is the address of (2,3).....

Sol) it's a 9×7 int array so it requires 126 bytes for storing. b'z e integer value needs 2 bytes of memory allocation. and starting add is 3000

so starting add of 2×3 will be 3012.

15) In a two-dimensional array, X $(9, 7)$, with each element occupying 4 bytes of memory, with the address of the first element X $(1, 1)$ is 3000, find the address of X $(8, 5)$.

Sol) initial $x(1,1) = 3000$ u hav to find from $x(8,1)$ so u have $x(1,1), x(1,2) \dots x(7,7) =$ so u have totally $7 * 7 = 49$ elements u need to find for $x(8,5)$? here we have 5 elements each element has 4 bytes : $(49 + 5 - 1) * 4 = 212$ ----- (-1 is to deduct the 1 element) $3000 + 212 = 3212$

16) Which of the following is power of 3 a) 2345 b) 9875 c) 6504 d) 9833

17) The size of a program is N. And the memory occupied by the program is given by $M = \sqrt{100N}$. If the size of the program is increased by 1% then how much memory now occupied?

Sol) $M = \sqrt{100N}$

N is increased by 1%

therefore new value of $N = N + (N/100)$

$= 101N/100$

$M = \sqrt{100 * (101N/100)}$
Hence, we get $M = \sqrt{101 * N}$

- 18) 1)SCOOTER ----- AUTOMOBILE--- A. PART OF
2.OXYGEN----- WATER ----- B. A Type of
3.SHOP STAFF----- FITTERS----- C. NOT A TYPE OF
4. BUG -----REPTILE----- D. A SUPERSET OF
1)B 2)A 3)D 4)C

19) A bus started from bustand at 8.00a m and after 30 min staying at destination, it returned back to the bustand. the destination is 27 miles from the bustand. the speed of the bus 50 percent fast speed. at what time it returns to the bustand this is the step by step solution:

a bus cover 27 mile with 18 mph in $=27/18= 1$ hour 30 min. and it wait at stand =30 min.
after this speed of return increase by 50% so 50%of 18 mph=9mph
Total speed of returnig= $18+9=27$
Then in return it take $27/27=1$ hour
then total time in joureny= $1+1:30+00:30 =3$ hour
so it will come at $8+3$ hour=11 a.m.
So Ans==11 a.m

20) In two dimensional array X(7,9) each element occupies 2 bytes of memory.If the address of first element X(1,1)is 1258 then what will be the address of the element X(5,8) ?

Sol) Here, the address of first element $x[1][1]$ is 1258 and also 2 byte of memory is given. now, we have to solve the address of element $x[5][8]$, therefore, $1258+ 5*8*2 = 1258+80 = 1338$ so the answer is 1338.

21) The temperature at Mumbai is given by the function: $-t^2/6+4t+12$ where t is the elapsed time since midnight. What is the percentage rise (or fall) in temperature between 5.00PM and 8.00PM?

22) Low temperature at the night in a city is 1/3 more than 1/2 high as higher temperature in a day. Sum of the low temperature and highest temp. is 100 degrees. Then what is the low temp?

Sol) Let highest temp be x
so low temp= $1/3$ of x of $1/2$ of x plus $x/2$ i.e. $x/6+x/2$
total temp= $x+x/6+x/2=100$
therefore, $x=60$
Lowest temp is 40

23) In Madras, temperature at noon varies according to $-t^2/2 + 8t + 3$, where t is elapsed time. Find how much temperature more or less in 4pm to 9pm. Ans. At 9pm 7.5 more

Sol) In equation first put $t=9$,
we will get 34.5.....(1)
now put $t=4$,

we will get 27.....(2)
so ans=34.5-27
=7.5

24) A person had to multiply two numbers. Instead of multiplying by 35, he multiplied by 53 and the product went up by 540. What was the raised product?

- a) 780 b) 1040 c) 1590 d) 1720

Sol) $x \cdot 53 - x \cdot 35 = 540 \Rightarrow x = 30$ therefore, $53 \cdot 30 = 1590$ Ans

25) How many positive integer solutions does the equation $2x + 3y = 100$ have?

- a) 50 b) 33 c) 16 d) 35

Sol) There is a simple way to answer this kind of Q's given $2x + 3y = 100$, take l.c.m of 'x' coeff and 'y' coeff i.e. l.c.m of 2,3 ==6 then divide 100 with 6, which turns out 16 hence answer is 16 short cut formula--- constant / (l.c.m of x coeff and y coeff)

26) The total expense of a boarding house are partly fixed and partly variable with the number of boarders. The charge is Rs.70 per head when there are 25 boarders and Rs.60 when there are 50 boarders. Find the charge per head when there are 100 boarders.

- a) 65 b) 55 c) 50 d) 45

Sol)

Let a = fixed cost and k = variable cost and n = number of boarders

total cost when 25 boarders $c = 25 \cdot 70 = 1750$ i.e. $1750 = a + 25k$

total cost when 50 boarders $c = 50 \cdot 60 = 3000$ i.e. $3000 = a + 50k$

solving above 2 eqns, $3000 - 1750 = 25k$ i.e. $1250 = 25k$ i.e. $k = 50$

therefore, substituting this value of k in either of above 2 eqns we get

$a = 500$ ($a = 3000 - 50 \cdot 50 = 500$ or $a = 1750 - 25 \cdot 50 = 500$)

so total cost when 100 boarders = $c = a + 100k = 500 + 100 \cdot 50 = 5500$

so cost per head = $5500/100 = 55$

27) Amal bought 5 pens, 7 pencils and 4 erasers. Rajan bought 6 pens, 8 erasers and 14 pencils for an amount which was half more than what Amal had paid. What % of the total amount paid by Amal was paid for pens?

- a) 37.5% b) 62.5% c) 50% d) None of these

Sol)

Let, 5 pens + 7 pencils + 4 erasers = x rupees

so 10 pens + 14 pencils + 8 erasers = $2 \cdot x$ rupees

also mentioned, 6 pens + 14 pencils + 8 erasers = $1.5 \cdot x$ rupees

so $(10 - 6) = 4$ pens = $(2 - 1.5)x$ rupees

so 4 pens = $0.5x$ rupees $\Rightarrow 8$ pens = x rupees

so 5 pens = $5x/8$ rupees = $5/8$ of total (note x rupees is total amt paid by amal)

i.e $5/8 = 500/8\% = 62.5\%$ is the answer

28) I lost Rs.68 in two races. My second race loss is Rs.6 more than the first race. My friend lost Rs.4 more than me in the second race. What is the amount lost by my friend in the second race?

Sol)

$$x + x+6 = \text{rs } 68$$

$$2x + 6 = 68$$

$$2x = 68-6$$

$$2x = 62$$

$$x=31$$

x is the amt lost in I race

$x+ 6 = 31+6=37$ is lost in second race

then my friend lost $37 + 4 = 41$ Rs

29) Ten boxes are there. Each ball weighs 100 gms. One ball is weighing 90 gms. i) If there are 3 balls ($n=3$) in each box, how many times will it take to find 90 gms ball? ii) Same question with $n=10$ iii) Same question with $n=9$

to me the chances are

when $n=3$

(i) $nC1 = 3C1 = 3$ for 10 boxes .. $10*3=30$

(ii) $10C1=10$ for 10 boxes $10*10=100$

(iii) $9C1=9$ for 10 boxes $10*9=90$

30) $(1-1/6) (1-1/7).... (1- (1/ (n+4))) (1-(1/ (n+5))) = ?$

leaving the first numerator and last denominator, all the numerator and denominator will cancelled out one another. Ans. $5/(n+5)$

31) A face of the clock is divided into three parts. First part hours total is equal to the sum of the second and third part. What is the total of hours in the bigger part?

Sol) the clock normally has 12 hr

three parts x,y,z

$$x+y+z=12$$

$$x=y+z$$

$$2x=12$$

$$x=6$$

so the largest part is 6 hrs

32) With $4/5$ full tank vehicle travels 12 miles, with $1/3$ full tank how much distance travels

Sol) $4/5$ full tank= 12 mile

$$1 \text{ full tank} = 12/(4/5)$$

$$1/3 \text{ full tank} = 12/(4/5)*(1/3) = 5 \text{ miles}$$

33) wind blows 160 miles in 330min.for 80 miles how much time required

Sol) 160 miles= 330 min

$$1 \text{ mile} = 330/160$$

$$80 \text{ miles} = (330*80)/160 = 165 \text{ min.}$$

34) A person was fined for exceeding the speed limit by 10mph. another person was also fined for exceeding the same speed limit by twice the same if the second person was travelling at a speed of 35 mph. find the speed limit

Sol) $(x+10)=(x+35)/2$

solving the eqn we get $x=15$

35) A sales person multiplied a number and get the answer is 3 instead of that number divided by 3. what is the answer he actually has to get.

Sol) Assume 1

$$1 * 3 = 3$$

$$1 * 1/3 = 1/3$$

so he has to got 1/3

this is the exact answer

36) A person who decided to go weekend trip should not exceed 8 hours driving in a day average speed of forward journey is 40 mph due to traffic in Sundays the return journey average speed is 30 mph. How far he can select a picnic spot.

37) Low temperature at the night in a city is 1/3 more than 1/2 hinge as higher temperature in a day. Sum of the low temp and high temp is 100 c. then what is the low temp.

ans is 40 c.

Sol) let x be the highest temp. then,

$$x + x/2 + x/6 = 100.$$

therefore, $x=60$ which is the highest temp

and $100-x=40$ which is the lowest temp.

38) car is filled with four and half gallons of oil for full round trip. Fuel is taken 1/4 gallons more times in going than coming. What is the fuel consumed in coming up.

Sol) let feul consumed in coming up is x. thus equation is: $x + 1.25x = 4.5$ ans: 2gallons

39) A work is done by the people in 24 min. One of them can do this work alone in 40 min. How much time required to do the same work for the second person

Sol) Two people work together in 24 mins.

So, their one day work is

$$(1/A) + (1/B) = (1/24)$$

One man can complete the work in 40mins

$$\text{one man's one day work } (1/B) = (1/40)$$

Now,

$$(1/A) = (1/24) - (1/40)$$

$$(1/A) = (1/60)$$

So, A can complete the work in 60 mins.

40) In a company 30% are supervisors and 40% employees are male if 60% of supervisors are male. What is the probability? That a randomly chosen employee is a male or female?

Sol) 40% employees are male if 60% of supervisors are male so for 100% is 26.4%so the probability is 0.264

41) In 80 coins one coin is counterfeit what is minimum number of weighing to find out counterfeit coin

Sol) the minimum number of wieghtings needed is just 5.as shown below

- (1) 80->30-30
- (2) 15-15
- (3) 7-7
- (4) 3-3
- (5) 1-1

42) 2 oranges, 3 bananas and 4 apples cost Rs.15. 3 oranges, 2 bananas, and 1 apple costs Rs 10. What is the cost of 3 oranges, 3 bananas and 3 apples?

$$2x+3y+4z=15$$

$$3x+2y+z=10 \text{ adding}$$

$$5x+5y+5z=25$$

$x+y+z=5$ that is for 1 orange, 1 bannana and 1 apple requires 5Rs.

so for 3 orange, 3 bannana and 3 apple requires 15Rs.

$$\text{i.e. } 3x+3y+3z=15$$

43) In 8*8 chess board what is the total number of squares refers

Sol) odel discovered that there are 204 squares on the board We found that you would add the different squares - 1 + 4 + 9 + 16+ 25 + 36 + 49 + 64.

Also in 3*3 tic tac toe board what is the total no of squares

Ans 14 ie 9+4(bigger ones)+1 (biggest one)

If you ger 100*100 board just use the formula

the formula for the sum of the first n perfect squares is

$$n \times (n + 1) \times (2n + 1)$$

6

if in this formula if you put n=8 you get your answer 204

44) One fast typist type some matter in 2hr and another slow typist type the same matter in 3hr. If both do combinely in how much time they will finish.

Sol) Faster one can do 1/2 of work in one hourslower one can do 1/3 of work in one hourboth they do $(1/2+1/3=5/6)$ th work in one hour.so work will b finished in $6/5=1.2$ hour i e 1 hour 12 min.

45) If Rs20/- is available to pay for typing a research report & typist A produces 42 pages and typist B produces 28 pages. How much should typist A receive?

Here is the answer Find of 42 % of 20 rs with respect to 70 (i.e 28 + 42) ==> $(42 * 20)/70$ ==> 12 Rs

46) An officer kept files on his table at various times in the order 1,2,3,4,5,6. Typist can take file from top whenever she has time and type it.What order she cann□t type.?

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47) In some game 139 members have participated every time one fellow will get bye what is the number of matches to choose the champion to be held?

the answer is 138 matches

Sol) since one player gets a bye in each round, he will reach the finals of the tournament without playing a match. <http://www.ChetanaS.org>

therefore 137 matches should be played to determine the second finalist from the remaining 138 players (excluding the 1st player)

therefore to determine the winner 138 matches shd be played.

48) One rectangular plate with length 8 inches, breadth 11 inches and 2 inches thickness is there. What is the length of the circular rod with diameter 8 inches and equal to volume of rectangular plate?

Sol) Vol. of rect. plate = $8 * 11 * 2 = 176$

area of rod = $(\frac{22}{7}) * (\frac{8}{2}) * (\frac{8}{2}) = (\frac{352}{7})$

vol. of rod = area * length = vol. of plate

so length of rod = vol of plate / area = $176 / (\frac{352}{7}) = 3.5$

49) One tank will fill in 6 minutes at the rate of 3 cu ft /min, length of tank is 4 ft and the width is 1/2 of length, what is the depth of the tank?

3 ft 7.5 inches

50) A man has to get air-mail. He starts to go to airport on his motorbike. Plane comes early and the mail is sent by a horse-cart. The man meets the cart in the middle after half an hour. He takes the mail and returns back, by doing so, he saves twenty minutes. How early did the plane arrive?

ans: 10 min :: assume he started at 1:00, so at 1:30 he met cart. He returned home at 2:00. so it took him 1 hour for the total journey. by doing this he saved 20 min. so the actual time if the plane is not late is 1 hour and 20 min. so the actual time of plane is at 1:40. The cart travelled a time of 10 min before it met him. so the plane is 10 min early.

51) Ram singh goes to his office in the city every day from his suburban house. His driver Mangaram drops him at the railway station in the morning and picks him up in the evening. Every evening Ram singh reaches the station at 5 o'clock. Mangaram also reaches at the same time. One day Ram singh started early from his office and came to the station at 4 o'clock. Not wanting to wait for the car he starts walking home. Mangaram starts at normal time, picks him up on the way and takes him back home, half an hour early. How much time did Ram singh walked?

52) 2 trees are there. One grows at 3/5 of the other. In 4 years total growth of the trees is 8 ft. what growth will smaller tree have in 2 years.

Sol) THE BIG TREE GROWS 8FT IN 4 YEARS => THE BIG TREE GROWS 4FT IN 2 YEARS. WHEN WE DIVIDE 4FT/5 = $.8 * 3 = 2.4$

ans: 1.5 mt 4 $(x + (\frac{3}{5})x) = 88x/5 = 2x = 5/4$ after 2 years $x = (\frac{3}{5}) * (\frac{5}{4}) * 2 = 1.5$

53) There is a six digit code. Its first two digits, multiplied by 3 gives all ones. And the next two digits multiplied by 6 give all twos. Remaining two digits multiplied by 9 gives all threes. Then what is the code?

sol) Assume the digit xx xx xx (six digits)

First Two digit $xx * 3 = 111$

$xx = 111/3 = 37$

(first two digits of 1 is not divisible by 3 so we can use 111)

Second Two digit $xx * 6 = 222$

$xx = 222/6 = 37$

(first two digits of 2 is not divisible by 6 so we can use 222)

Thrid Two digit $xx * 9 = 333$

$xx = 333/9 = 37$

(first two digits of 3 is not divisible by 9 so we can use 333)

54) There are 4 balls and 4 boxes of colours yellow, pink, red and green. Red ball is in a box whose colour is same as that of the ball in a yellow box. Red box has green ball. In which box you find the yellow ball?

ans is green...

Sol) Yellow box can have either of pink/yellow balls.

if we put a yellow ball in "yellow" box then it wud imply that "yellow" is also the colour of the box which has the red ball(becoz acordin 2 d question,d box of the red ball n the ball in the yellow box have same colour)

thus this possibility is ruled out...

therefore the ball in yellow box must be pink,hence the colour of box containin red ball is also pink....

=>the box colour left out is "green" ,,which is alloted to the only box left,,the one which has yellow ball..

55) A bag contains 20 yellow balls, 10 green balls, 5 white balls, 8 black balls, and 1 red ball. How many minimum balls one should pick out so that to make sure the he gets at least 2 balls of same color.

Ans:he should pick 6 ball totally.

Sol) Suppose he picks 5 balls of all different colours then when he picks up the sixth one, it must match any on of the previously drawn ball colour. thus he must pick 6 balls

56) What is the number of zeros at the end of the product of the numbers from 1 to 100

Sol) For every 5 in unit palce one zero is added Ch eta naS

so between 1 to 100 there are 10 nos like 5,15,25,...,95 which has 5 in unit place.

Similarly for every no divisible by 10 one zero is added in the answer so between 1 to 100 11 zeros are added

for 25,50,75 3 extra zeros are added so total no of zeros are $10+11+3=24$

57) 10 Digit number has its first digit equals to the numbers of 1's, second digit equals to the numbers of 2's, 3rd digit equals to the numbers of 3's .4th equals number of 4's..till 9th digit equals to the numbers of 9's and 10th digit equals to the number of 0's. what is the number?.(6marks)

ans:2100010006

2---shows that two 1's in the ans

1---shows that one 2 in ans

0---shows no 3 in the ans

0---shows no 4 in the ans

0---shows no 5 in the ans

1---shows one 6 in the ans

0---shows no 7 in the ans

0---shows no 8 in the ans

0---shows no 9 in the ans

6---shows six 0's in the ans

58) There are two numbers in the ratio 8:9. if the smaller of the two numbers is increased by 12 and the larger number is reduced by 19 the ratio of the two numbers is 5:9.

Find the larger number?

sol) $8x:9x$ initially

$$8x + 12 : 9x - 19 = 5x : 9x$$

$$8x + 12 = 5x$$

$$\rightarrow x = 4$$

$9x = 36$ not sure about the answer ..

59) There are three different boxes A, B and C. Difference between weights of A and B is 3 kgs. And between B and C is 5 kgs. Then what is the maximum sum of the differences of all possible combinations when two boxes are taken each time

$$A - B = 3$$

$$B - C = 5$$

$$A - C = 8$$

so sum of diff = $8 + 3 + 5 = 16$ kgs

60) A and B are shooters and having their exam. A and B fall short of 10 and 2 shots respectively to the qualifying mark. If each of them fired atleast one shot and even by adding their total score together, they fall short of the qualifying mark, what is the qualifying mark?

ans is 11

coz each had atleast 1 shot done so $10 + 1 = 11$

$$n \ 9 + 2 = 11$$

so d ans is 11

61) A, B, C, and D tells the following times by looking at their watches. A tells it is 3 to 12. B tells it is 3 past 12. C tells it is 12:2. D tells it is half a dozen too soon to 12. No two watches show the same time. The difference between the watches is 2,3,4,5 respectively. Whose watch shows maximum time?

sol) A shows 11:57, B shows 12:03, C shows 12:02, and D shows 11:06 therefore, max time is for B

62) Falling height is proportional to square of the time. One object falls 64cm in 2sec than in 6sec from how much height the object will fall.

Sol) The falling height is proportional to the square of the time.

Now, the falling height is 64cm at 2sec

so, the proportional constant is $=64/(2^2)=16$;

so, at 6sec the object fall maximum $(16*6^2)=576$ cm;

Now, the object may be situated at any where.

if it is >576 only that time the object falling 576cm within 6sec .Otherwise if it is situated <576 then it fall only that height at 6sec.

63) Gavaskar average in first 50 innings was 50. After the 51st innings his average was 51 how many runs he made in the 51st innings

Ans) first 50 ings. - run = $50*50=2500$

51st ings. - avg 51. so total run = $51*51=2601$.

so run scored in that ings = $2601-2500=101$ runs.

64) Anand finishes a work in 7 days, Bittu finishes the same job in 8 days and Chandu in 6 days. They take turns to finish the work. Anand on the first day, Bittu on the second and Chandu on the third day and then Anand again and so on. On which day will the work get over?

a) 3rd b) 6th c) 9th d) 7th

Ans is d) 7th day

Sol) In d 1st day Anand does $1/7$ th of total work
similarly,

Bithu does $1/8$ th work in d 2nd day

hence at d end of 3 days, work done = $1/7+1/8+1/6=73/168$

remaining work = $(168-73)/168 = 95/168$

again after 6 days of work, remaining work is = $(95-73)/168 = 22/168$ and hence Anand completes the work on 7th day.(hope u understood.)

65) A man, a women and a child can do a piece of work in 6 days,man can do it in 14 days, women can do it 16 days, and in how many days child can do the same work?

The child does it in 24 days

66) A: 1 1 0 1 1 0 1 1

B: 0 1 1 1 1 0 1 0

C: 0 1 1 0 1 1 0 1

Find $((A-B) \cup C) = ?$

Hint : 109

A-B is $\{A\} - \{A \cap B\}$

A: 1 1 0 1 1 0 1 1

B: 0 1 1 1 1 0 1 0

by binary sub. $a-b = 01100001$ ($1-0=1, 1-1=0, 0-0=0, n$ for the 1st 3 digits $110-011=011$)

now $(a-b) \cup c = 01100001$

or 01101101

gives 1101101... convert to decimal equals 10

CRITICAL REASONING

this section is very important there are 12 question and u have to solve it in 30 minutes.. for critical reasoninggo thru the barrons 5 model test paper....just mug up all the answer but bewarethey can change the character names so be careful.....

after clearing my written they called us for interview on 12th march

TECHNICAL INTERVIEW

after waiting for more than seven hours they called me for the interview .look just be confident and have eye contact with themactually in the starting i was very much confident and answered all his question but after some time dont knw wat he asked to me and and my mind was just blocked.....dont knw y.....even this is not the end ...when i finished my tech interview and came out of the halli forgot my file there.....[:d].....well after few minutes i called for the H.R.

H.R.

same things ...introduce urself, strengths weakness, future plan, where do u see urself after 5 years.....i told them that i am interested in embedded ..they asked if we send u u.s. will u go?.....and some more h.r. question..

i advice u guys dont even try to make them fool ...if u dont knw any answerjust tell them 'u dont knw'

M.R.

same h.r. questions introduce urself.....wagerah wagerah finally result announced and thank god! i was one of the guys who have selected....yepiieeeeeee

TCS PAPER ON 12th JANUARY 2008

Hi Friends....Now I m a chosen one.....!!!!!! TCS was on campus in our college SGGsIE&T, Nanded on 12-13th Jan-08. I got selected & now i m very happy. First let m thank to Freshersworld.com for providing such a nice platform for freshers

Here i m giving all my experience right from scratch, so plz read it very carefully, if u dont hav enough time then no need to go many papers just go thru my paper & some others, I hav tried to give all the stuff from my experiences.

College- SGGsIE&T, NANDED(MH) Appeared- Above 250

Apti. Cleared- 193

Tech. Interview cleared- 120 Approx

HR finally selected- 71

First they give presentation about thier company. Listen it very carefiul. Hav a pen & paper with u & note the points very carefullly, the points like.. When company was established, by whom, where. How many fortune clients r there, no of branches, no of

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countries in which the branches spread, how employees get chance to go up step-by-step, other products of TCS, services provided by company. Here itself you can be prepared for much info about the TCS. Make out notes because after some times you may forget the info.

After presentation APTITUDE TEST was there. The test was online. So, something about ONLINE TEST..... Their software named "QUEBEX" is really very good. Firstly mute the volume of your PC because page gets refreshed frequently, so unnecessarily the voice may disturb you. When instructor will say to click on TCS.. internet sign then click, you will get user id & password from them. To go at password field you need to press tab key from your keyboard. After logging there will be one sample test of 3 minutes at the same time instructor will give info. have a look on color code for Attempted, visited but not attempted, not visited questions. solve the sample test in order to be familiar with the software. After this main test will start. Remember only one question is displayed on the screen

Every question has to be submitted individually. After choosing the appropriate option immediately submit the option with the help of SUBMIT button. If you think that you will first click all the questions & then submit at the same time THE SILLY MISTAKE..... because when you go to the next question without submitting it then option to

which you have clicked gets disappears. So Submit it immediately. It may happen that just before submitting page gets refreshed & the option clicked disappears, then don't worry again click & submit. You can change the option at any time in the respective session. After submitting next question automatically comes on the screen.

If you don't want to answer the question & move to the next question then on the right hand side there will be question number list, select the que no. (((But my advice is though you don't know answer click any option because it may be the case that you don't get time later on, & there is no loss in doing that because later on you can change the answer option.)))

Time will not be carried forward, i.e. if you finish any section before time then that time you will not get as extra time for next session.

The test started..... The test was of 90 minutes (1 & half hour) Marks 80 - 90 (I don't remember exact)

3 sections

1> English (32 Questions , 20 minutes) - 10 synonyms, 10 antonyms, 6-8 paragraph based questions , 4-6 paragraph completion.

2> Quantitative section (38 questions , 40 minutes)

3> Critical Reasoning (12 questions , 30 minutes) - 3 short logical puzzle type paragraphs 4 questions each. (3X4=12)

1> English Section:.....:-----à>>>>

While solving this section be careful about what is asked? On the right side there will be heading SYNONYM and ANTONYM .There is not any separator between Antonyms,sentence completion & reading comprehension .

Frnds, don't rely upon antonyms & synonyms , because not a single word was from the words whatever I mugged up(I had remembered many words from previous papers).All the words were different.The only word I remember is Antonym of HARBINGER.But till u prepare whatever u could.

For reading comprehensions u prepare RC section+RC passages from Model tests of the 12 th edition BARRON's.Sentence completion will be from the this RC's only.For sentence completion One Reading Comprehension passage will b given with Blanks.Blanks will be not of a single or double word but that il b also a sentence.So be careful.

Some of the sentence completion passages are-----

1> "Observe the dilemma of fungus....." page no 117 RC Ex-E from 12 th edition Barrons.

2>

Some passages for the RC questions-----

2>" Like her white.....related to Bethune.frm RC Q's pg no 113)

3> "The atmosphere.....related to gases (pg no 119)

Better way read all d passages.It will not take much time to prepare.

1> Quantitative Section:-----à>>>>.....Previous papers only..... For this section no need to go thru any other book & all,just prepare the previous question papers only.I m giving here the Q's from my & my frnds papers....

1) Match the following:

1. Male - Boy ---> a. A type of
2. Square - Polygon ---> b. A part of
3. Roof - Building ---> c. Not a type of
4. Mushroom - Vegetables ---> d. A superset of

Ans. 1- d, 2- a, 3- b, 4- c

2) $G(0) = -1$, $G(1) = 1$, $G(N) = G(N-1) + G(N-2)$, $G(6) = ?$ ans.3

3) Which set of data exhibits a higher Standard Deviation?

- (a) 9, 0, -9, 9, 0, -9 (b) 9, 9, 9, 0, 9, 9 (c) -9, -9, -9, -9, -9, -9 (d) 9, 9, 9, 9, 9, 9 (e) 9, -9, 9, -9, 9, -9

Ans: e.....take mean(sum of all/no. of elmnts), take difference of all from mean, now apply formula $(s.d)^2 = (\text{sum of } (diff)^2/n)$

4) In Chennai, temperature at noon varies according to $-t^2/2 + 8t + 3$, where t is elapsed time. Find how much temperature more or less in 4pm to 9pm.

Ans. (put 9 & 4 in eq. n subtract)

5) Number of faces, vertices and edges of a cube

Ans. 6, 12, 8

6) Largest prime nos in n -bits register (n may be 5 to 9)

Ans: Largest prime no in 9-bit register—509

Largest prime no in 8-bit register—251

Largest prime no in 7-bit register—127

Largest prime no in 6-bit register—61

Largest prime no in 5-bit register—31

7) Largest prime no 3 digit

Ans: 997

8) . The size of a program is N . And the memory occupied by the program is given by $M = \text{square root of } 3000N$. If the size of the program is increased by 1% then how much more memory now occupied?

Ans: 0.5 %

9) Evaluate the expression

$M(843,11) + R(5.8) + T(7.7) - R(3.4)$ where M stands for Modulo arithmetic, R stands for Round-off operation and T stands for Truncation Operation

(a)15 (b)13 (c) 17 (d)16 (e)12

Ans C

In $R()$ if the digit after decimal point is 5 or more then round the digit to next whole int. In

$T()$ leave the part after decimal point

S0 $7+6+7-3=17$

10) Find the value of $@@+25 - ++@16$, where $@$ denotes "square" and $+$ denotes "square root".

Ans. 621

After $-$ sign, for $++@16$ start from RHS so $++256$ then $+16$ then 4

For $@@+25$then $@@5$ then $@25$ then then 625

Now $625-4=621$

11) . A power cable is run by the bank of the river of 900 meters width. A cable is made from power unit to power a plant opposite to that of the river and 3000mts away from the power unit. The cost of the cable below water is Rs. 5/- per meter and cost of cable on the

bank is Rs.4/- per meter. Find the point downstream where the cable is to cut across the river.

Ans: 2100m

Some times they may ask the total cost. $(900*5 + \{3000-900\}*4)$ Once again confirm this..i m nt sure.

12) Find the singularity matrix from a given set of matrices?

Ans. Whose $(\det(A))=0$

13) $(\text{Momentum} * \text{Velocity}) / (\text{Acceleration} * \text{distance})$ find units.

Ans. mass

Momentum means $\text{mass} * \text{velocity}$. convert into its units, velocity means m/s ..so $(\text{kg.m.m}) / (\text{s.s})$ Acc. m/s^2 , distance m

Now substitute the values , cancel out , remains kg i.e. Mass

14) A man, a woman, and a child can do a piece of work in 6 days. Man only can do it in 24 days. Woman can do it in 16 days and in how many days child can do the same work?

Ans. 8 days

15) . In a two-dimensional array, $X(9,7)$, with each element occupying 2 bytes of memory, with the address of the element $X(1,1)$ is 3000, find the address of $X(8,5)$?

Ans: 3106

16) 3 questions were on identifying the nature of the graph i.e. $y=\log x, y=\tan x$

17) Three independent mechanisms A, B and C have been incorporated for power saving in a plant producing respectively 30%, 40% and 10% efficiency. Assuming that they operate independently, what is the net power efficiency achieved?

(a) 62.2% (b) 68% (c) 61% (d) 64% (e) 56%

18) Find the fourth row, having the bit pattern as an integer in an 8-bit computer, and express the answer in its decimal value.

A 0 0 0 0 1 1 1 1

B 0 0 1 1 0 0 1 1

C 0 1 0 1 0 1 0 1

(A OR (B AND C)) ?

Ans: B AND C

1 AND 1=1 else 0

1 OR 0/1=1

So B AND C--à 00010001 This OR A->00011111

19) An aircraft takes off from A (89° N Lat, 20° E) at 6.00 AM local time to B (50° S , 40° W). If the flying time is 10 hours what is the local time of landing at B?

Ans: 12:00pm

don't take care of N & S, E & W matters only.

10 change == 4mins

Here 20° + 40° = 60°

So $60 \times 4 = 240$ mins.....4hrs

If time change not considered then After 10 hrs it will reach at the same place after

$6:00 + 10:00 = 4:00$ pm

Going from east to west so subtract 4hrs from 4:00pm...

$4:00$ pm - 4hrs = 12:00pm

(if plane is going from west to east then then Add those hrs)

20) 11. Select the odd one out

a. SMTP b. WAP c. SAP d. ARP

ans : c

21). Select the odd man out.

a. Java b. Lisp c. Smalltalk d. Eiffel

Ans: b

22). Which of the following are orthogonal pairs?

a. $3i+2j$ b. $i+j$ c. $2i-3j$ d. $-7i+j$

ans: a & c (bcz dot product is zero)

23) select odd one- sql, db2, sybase, http {ans-http}

24) select odd one- sybase, db2, oracle, unix {ans-unix}

25-27) venn diagram is given specifying that sum people eat indian, sum Chinese, and one more So b prepared for venn diagrams of 3 circles 3 Q's will be there on this

28-30) 3 Qs on Data interpretation (Bar+line+circle graph may be asked) Prepare it from RS Agrawal

31) 534 in decimal system is 1362 in certain system. find base of that.

Ans: 7

Trial & error

32) A can copy 50 papers in 10 hrs while A & B together can copy 70 papers in 10 hrs. how many hrs will be required for B to copy 26 papers?

Ans: 13hrs

33) Find eqn of line having intercepts (0,3) & (-2,0)

Ans $Y = (3/2)X + 3$

Formula $x/a + y/b = 1$

34) if $n=68*12*51$ which one is not int?

a>n/136 b>n/244 c> n/72

ans: c

35) which one is the power of 3

a> 6245 b> 6762 c> 6074 d> 6561 e> 6178

ans d

36) Series completion.....

37) If VXUPLVH is written as SURMISE, what is COVER?

I solved this section approx 30 correctly

Critical Reasoning

GRE 12th edition's 5 Model Test papers only. 3 passages il b there having 3 Q's each
Prepare the critical reasoning passages having 4 or more Q's If u r prepared for this then
u il not need more than 2 mins to solve this.I solved this section within just 2
minutes.Rest of the 28 mins I was thinking whether I il b thru or not becz in English
section I was not sure for 5 mArks even.

These passages were in my paper

1> Delegations frm Wallacia & rumellia.....pn no 475 model test 2

2> Tom ...latin,Sanskrit.....pg no 446 model test 1

3> Each word in horizontalpg no 591 model test 4

For my frnds Atul Patil , Anil Borse, Jagdish Patil passages were

4>Mr Pesth.....MNORSTUVW .pg no 497 model test 2

5>The organizer of local 58 .hospital pg no 475 model test 2

6>In country Conservative,Dmocratic,justice.....pg no 445 model test 1

7>In a certainRed ...Brown.....pg no 443 model test 1

8>John is undecidede.....pg no 540 model test 3

9>In the days.....related to scurvy..... frm model test 5 (pg no 646 last psg)

10>All A's B's C's....pg no 594 model test 4

11>A is the father ofpg no 630 model test 5

12>In a certain society .Prahtu Brithu marriage.....pg no 644 model test 5

13>Ashland is north.....pg no 496 model test 2

Some imp critical psgs r:

14>Spelunkars.....pg no-496 model test 2

15>A B C..... pg no 592 model test 4

16>Mr A ...Spanish,Italian.....pg no 594 model test 4

17>At a congress.....pg no 594 model test 4

18>for a motorist....city A B C....pg no-442 model test 1

19>A project topg no 443 model test 1

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20>joy , lerryfloor..pg no 446 model test 1
21>A causes B or C.....pg no 447 model test 1
22>In order to conduct.mon,tue,Friday.pg no 590 model test 4

As soon as the time finishes result gets displayed.....
Thank u if not cracked
Congrats if cracked.
Thank god I cracked the apti!!
After cracking the apti they il giv their own form fill it carefully.

Now interview.....Interview was scheduled on 13th .
First Technical Inteviw
Then HR+MR

TECHNICAL INTERVIEW:-

whole interview il b on ur resume , so b perfect with ur resume,if u havn't done any project when company comes(i.e. 6th sem mostly)then don't worry,TCS doesn't expect projects. Here I m telling my T.I. refernce to my resume.Watch it how he tried to trap m.

TI : Hello I m .

I : Good morning sir

TI : Don't call m sir,otherwise I il make u out

I : OK! (then he looked my resume.Remember friends they il b firstly attracted by ur academic scores,if it is best then u hav 80% chances of getting into TCS)

TI :10th , 12th ,engineering CGPA good ,excellent!

(frnds if u hav done any paper presentation then plz put it in ur resume.I had done 1 paper presentation on CDMA Technology)

TI : Do u know what is GSM?

I : Global Service Mobile

TI : u hav done ppt on CDMA so Tell something on GSM

I : Sir, my area of discussion was noe concerned with GSM,I mainly differentiated TDMA,FDMA,CDMA.....(so I told about that.)

TI : Tell m the companies providing CDMA

I : TATA indicom,Reliance (in my resume I mentioned convincing power is my strength,)

TI : Convince m to hire u.

I : I was telling my good qualities.then he interrupted m

TI : Ganesh, u r telling about urself,I asked u to convince m.ok forget it. (They will hav one sheet on which they il remark,comment on u.Also they ask fav. Subjects. SO be prepared for atleast 3 subjects.No need of going into depth,just brush up theimp concepts)

TI : Tell ur fav.sub.

I : OS,DS,TOC.

TI : TOC ??? R u sure ???

I : Yes

TI : x is true.Either it is true or false.

I : Depends on situation.Actually it is not logical premise (frnds I m not sure about this ans.)

TI : ((He gave m 2 stmnts)) $x=y$ is false, $y=x$ is true.Comment on this.

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I : ((I tried a lot, but he was making me confused.....he was observing my stress handling capacity. SO DON'T BUFFALE)) after a lot of time he told
TI : Actually the question was wrong, I was just watching ur approach.
TI : What is DAG? Represent it, create a DATA STRUCTURE for it.
I : Directed acyclic graph. I made diagram & matrix representation ((I took a lot of time for this, Friends they il provide many blank pages, but use only one, becuz these rough work is sent to HR along with resume , so keep it clean, clear. My frnd was rejected just bcz he took 5 pages TI told him this fact))
TI : Very good! U r half way thru.....
TI : Tell me the difference betn Windows & Linux
I : told.....code hidden/open source.....
TI : Congrats Ganesh u hav qualified this round, All d best 4 next round
I : Thank u

After 1 hr I was called FOR HR+MR

MR : ((asked about exception handling))

I : told very confidently

MR : Basic diagram of OS.

I : drawn

HR : (saw my resume, I had put in xtra curricular that I hav organized Persoality development workshop) What is Softskills, body language.

I : told

HR : Tell something about ur hobby

I : Listening songs of singer

HR : Tell the latest song of singer. ((Actually I was prepared for his first song, debut album, birth date, place, his father. But I didn't know his latest song. i told something. just hav confidence bcz they look for confidence & communication skills only)

I : told

HR : Who is CEO, FOUNDER??

I : told as ramdorai, F C kohli.....((mistake – due to tension I forgot to use Mr. before nm)

HR : Tell GSM, disadvantages of CDMA.

MR : Why TCS

I : I m a strong believer of regularity. I like theregularity of TCS. Bcz 96.6% deliveries hav been right on time. Also TCS has a strong competency building for enmployees. I can work on many technologies & I can enter into any field like buisness, banking as TCS provides services to them.

MR : What TCS does?

I : provides services to Banking , buisness etc...

HR : What did u do yesterday?

I : I was in college, giving apti in the evening as my batch was the last.

HR : Ur birthday is coming soon, what r ur plans?

I : told very enthusiastically!

MR : Do u wanna ask anything?

I : Yes sir, recently US \$ valu has decreased so in what manner il mit affect TCS?

HR+MR : ((Now they actually trapped m & bombarded many Q's on managemet field))
What is US bondage? What do u think how TCS il b affected ?Will it reduce salaries of employees? [[I said no]] why?? [[I said I know the ethical practices of the TCS.It is firm to its norms]]What do u know about Norms of the company,what is meant by norms,rules & regulations?If the company is in loss then why TCS il not reduce salary though it is in loss??

Friends let them askin Q's u keep ur haed cool,don't show tress on ur face,they il not expecting mush, only ur self confidence,comm.. skills.

IMP TIPS::-> Don't show overconfidence.Dont show them that u r interested in Post Graduation.....If u say in any way about PG then thogh u hav 100 % u il b rejected definitely..If they ask about PG then say that .-----à I think mam that theoretical knowledge is enough,I want to implement it practically so I must join company.Also I need to support family & bla bla.....Listen presentation carefully.Visit website of the company,find out clients of TCS,competitors.

Practice the Q's like Tell about urself,why TCS.

Because I prepared 8 points for Why TCS but I could tell only 3.

!!!Friends at this stage stage u hav completed 98% of the war in ur academic life only 2% is remaining,but this little war is going to change ur whole life so plz b

cautious at this stage.If U don't get placed in this opportunity then frustration,hunting for job here & there will come to ur life. If u hav not been serious up till now till its OK!because the students who enjoy rest of the times but become serious at this stage they win & if hav been always good before this then this is the time to prove urself.Remember "NONE CAN CRUSH A TRUE DIAMOND!!!"So don't give up inbetween.So gear up,increase ur study timings,avail the time with full concentration.....

Don't take tension of interview bcz they make environment very free.Many of us couldn't believe that how we could speak fluent & clear at that time.

Finally BEST LUCK!!! Don't forget Freshersworld after placements,help ur frnds by contributing ur papers.

Interview :

After I cleared my written test I was called for the technical interview first. It was a nice interview taken by 2 gentlemen and a lady. All were very friendly.

INTERVIEWERS :

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- 1.) Hello Sushant..!! How are you?
- 2.) Tell me something about yourself?
- 3.) You are more into designing and innovating things, will u be comfortable if we put u into maintenance department?
- 4.) What is the difference b/w C and C++ ?
- 5.) I prefer C++, what do u prefer? (I said C and gave relevant reasoning and facts to prove myself)
- 6.) Are u comfortable with Linux and shell scripting? (I said yes)
- 7.) Explain any 5 commands used in Linux shell?
- 8.) 'Sed' ('Stream Editor' - filter in shell scripting) - its an editor or a filter?
- 9.) Using 'sed' Replace 'National' with 'International' globally in a text file?
- 10.) Explain awk? (another advance filter in shell scripting)
- 11.) Which SQL package do u use? Tell me something about it? (MS SQL SERVER 2000)
- 12.) He gave me a simple query in DBMS to solve?
- 13.) Tell me about your subjects in previous semester?
- 14.) What are the various Data-Structures?
- 15.) How is Link-List better than all Array?
- 16.) Write the code for Bubble-Sort and the complexity?
- 17.) Explain your summer training project (a web application) beautifully on this fresh A4 sheet navigating through the Home-Page?
- 18.) How much secure is ur web application?
- 19.) What are cookies?
- 20.) What is the importance of HTML? Why would u use HTML when u hav so many other web building applications like asp.net etc?

21.) Do u hav any questions?

OK sushant. Now ur technical round is over lets move on to the next round. (I think this was the MR round.. Taken by the same 3 interviewers..)

- 1.) Tell me 1 reason that we'll not take u in TCS?
- 2.) Tell me about ur weaknesses?
- 3.) What is Duck-Worth Luis method in cricket?
- 4.) What is the over limit?
- 5.) Do u hav any questions?

Then I was called for the HR round.. It was taken by a lady..

- 1.) How was ur day?
- 2.) Tell me about ur family background?
- 3.) Do u kno about the 2 years Bond?
- 4.) Do u kno about the Medical Test?
- 5.) Why TCS?
- 6.) Do u hav any Questions?

WRITTEN TEST

APTITUDE TEST PAPER ON 13TH FEB 2008

It's a 82 marks paper and the time limit is 90 mins (approx 30 mins per

section)

- 1.> verbal.... Q.1 to Q.32
- 2.> aptitude..... Q.33 to Q.73
- 3.> critical reasoning.... Q.74 to Q.82

WRITTEN TEST Instructions :(online)

- 1.) no sectional cutoff
- 2.) no negative marking
- 3.) no upper cut off(IN OUR CASE < ask them about upper cut off>)
- 4.) DO NOT CLICK on EXIT button
- 5.) listen to the information given to u prior to the test CAREFULLY

Verbal

10 Synonyms and 10 Antonyms and other Reading Comprehension based questions..

Everything was form GRE Barrons 12th edition Model Test Papers.

Five questions were on completing the passage by choosing appropriate sentence.

This was also from Barrons Model Test Papers(Passage on 'fungus')

Quants

All the questions were repeated. I didn't find any new questions. Just the data was changed.

Some of the questions were :-

Q1) My flight takes off at 2am from a place at 18N 10E and landed 10 Hrs later at a place with coordinates 36N70W. What is the local time when my plane landed?

6:00 am b) 6:40am c) 7:40 d) 7:00 e) 8:00

Sol) The destination place is 80 degree west to the starting place. Hence the time difference between these two places is 5 hour 20 min. ($=24\text{hr} \times 80/360$).

When the flight landed, the time at the starting place is 12 noon (2 AM + 10 hours).

Hence, the time at the destination place is 12 noon - 5:20 hours = 6: 40 AM

Q2) A plane moves from 9°N40°E to 9°N40°W. If the plane starts at 10 am and takes 8 hours to reach the destination, find the local arrival time?

Sol) Since it is moving from east to west longitude we need to add both, $40+40=80$ multiply the ans by 4

$\Rightarrow 80 \times 4 = 320\text{min}$

convert this min to hours ie, 5hrs 20min

It takes 8hrs totally . So $8-5\text{hr } 20\text{ min} = 2\text{hr } 40\text{min}$

So the ans is 10am+2hr 30 min

\Rightarrow ans is 12:30 it will reach

Q3) The size of the bucket is N kb. The bucket fills at the rate of 0.1 kb per millisecond.

A programmer sends a program to receiver. There it waits for 10 milliseconds. And response will be back to programmer in 20 milliseconds. How much time the program takes to get a response back to the programmer, after it is sent? Please tell me the answer with explanation. Very urgent.

Sol) $20\text{ms} + 10\text{ ms} = 30\text{ms}$

Q4) Three companies are working independently and receiving the savings 20%, 30%, 40%. If the companies work combinely, what will be their net savings?

suppose total income is 100

so amount x is getting is 80

y is 70

z =60

total=210

but total money is 300

$300-210=90$

so they are getting 90 rs less

90 is 30% of 300 so they r getting 30% discount

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Q5) If $G(0) = -1$ $G(1) = 1$ and $G(N) = G(N-1) - G(N-2)$ then what is the value of $G(6)$?

ans: -1

bcoz $g(2) = g(1) - g(0) = 1 + 1 = 2$

$g(3) = 1$

$g(4) = -1$

$g(5) = -2$

$g(6) = -1$

Q6) what's the answer for that :

A, B and C are 8 bit no's. They are as follows:

A -> 1 1 0 0 0 1 0 1

B -> 0 0 1 1 0 0 1 1

C -> 0 0 1 1 1 0 1 0 (- =minus, u=union)

Find $((A - C) \cup B) = ?$

To find A-C, We will find 2's compliment of C and then add it with A,

That will give us (A-C)

2's compliment of C = 1's compliment of C + 1

$= 11000101 + 1 = 11000110$

$A - C = 11000101 + 11000110$

$= 10001001$

Now $(A - C) \cup B$ is .OR. logic operation on $(A - C)$ and B

10001001 .OR . 00110011

The answer is = 10111011 ,

Whose decimal equivalent is 187.

Q7) In a two-dimensional array, X (7, 9), with each element occupying 4 bytes of memory, with the address of the first element X (1, 1) is 1258, find the address of X (5,8).

Q8.) 5,6,7,8,9,11,13, ??,17,18 (not exactly sure abt the problem)

Q9.) Sequence of letters is given. We've to find out how many B's are there under the condition that, B's should be followed by G and should not be followed by S.

Ans-4

Q10.) What is the unit of the following?

(Power*time) / (velocity*velocity)

1.mass 2.distance 3.velocity 4.speed

Ans:mass (not sure)

Q11). In the word "T" if we exchange first with the second ,second with the third ,third with fourth and so on.....till last then what will be the 10 letter from right?

1. G 2.N 3.A 4.R

Ans: A

Q12.) What is the largest prime no that will fit in 7 bit memory?

$2^7 = 128$

Ans 127

Q13.) A power unit is there by the bank of the river of 900 mtr width. a cable is made from power unit to power a plant opposite to that of the river and 3000 mtr away from the power unit. The cost of the cable bellows water Rs5 / mtr and cost of cable on the bank is Rs 4/ mtr. Find the pt where the cable cut through the river.

Ans: 2100

Q14.) What are the number of edges, number of vertices and number of faces of a planar cube among the following options?

a) 6, 6, 6 b) 4,8,12 c) 12, 8, 6 d) 4,6,12 (Ans: C)

Q15.) On coding and decoding --Ans is COVER

Q16.) 3 questions on Venn diagrams

No of students who passed in the 3 subjects details were given

- a). how many % of students can pass in chemistry and also pass in maths but not physics?
b). wt is the % of students who pass in all 3 subjects?
c).i don't remember the 3rd question

17.) Wt is the highest standard deviation?

- a.3,3,3,3,3,3 b.3,3,3,0,3,3 c.3,-3,3,-3,3,-3 d.-3,-3,-3,-3,-3,-3

18.) Exact power of 2?

Ans: 2048

Q19.) 2 students get 3 and 3.5 in their class exam and 1.4 and 1.65 in final exam respectively. Wt might be the class marks of 3rd student who have got '0' marks in final exam?

Q20.) Match the following

- | | |
|---------------------|------------------|
| a) Mammal – cow | 1) not a type of |
| b) oven – building | 2) a type of |
| c) square – polygon | 3) a part of |
| d) word - sentence | 4) superset of |

Q21.)In madras, temperature at noon varies according to $t^{2/3} + 4t + 12$, where t is elapsed time. Find how much tem more or less in 6 pm to 8 pm.(not exactly 6 and 9 but other values are given.. remember " -" sign was not there before t)

Q22.)Which of the following are orthogonal pairs a) $5i+3j=7$ b) $i=-jc$ c) $2i-j=3$ d) $3i=5j+6$
1.a&d 2.a&c 3.c&d 4.b&d

Q23.) WHICH SHAPE WILL BE OBTAINED BY USING THESE VALUES OF X ,Y

X	Y
0	0.00001
10	1.02
100	1.72
1000	3.00
9999	4.72

Ans: $Y = \log_{10}(X)$

Q24.) Pick the odd one out

- a) SYBASE b) DB2 c) ORACLE d) JAVA 5) INGRESS

Q25.) one question based on curves ---- some graph related to tanx

Q26.) pick the odd one out

- a) SMTP b) ARP c) HTTP d) BAAN e) WAP

Q27.) Find the result of the following expression if , M denotes modulus operation, R denotes round-off, T denotes truncations

$$M(363,5) + R(5.8) + T(7,7) - R(3.8)$$

Q28.) b v f q q m b v f m g v f f v f m b v f b g
d v f a m v f v f f

How many v's are such that each v is followed by f next to it, if the f is not followed by f next to it.

Q29.) If VXUPLVH is written as SURMISE, what is COVER?

Q30.) WHICH IS NOT A SIDE OF A TRIANGLE

1. (2m, 3m, 4m) 2. (3m, 4m, 7m) 3. (3m, 5m, 9m)

Q31.,32,33) 3 questions on Data interpretation.

III. CRITICAL REASONING

there would be 3 passages and 4 questions each(total 12 quest)

NOTE: go through GRE BARRON'S 12th edition i m giving some important passages as seen in fresherworld :-

Model test 1: Section5 - qns 1-4 (motorist), qns 13-16 (red and brown)

Section6 - qns 1-4 (conservative,democratic), qns 8-11 (latin, sanskrit), qns 12-18 (joe,larry,ned), qns 19-22 (a causes b)

Model test 2: Section1 - qns 19-22 (wallachia and rumelia) ---

Section6 - qns 8-12 (ashland , liverpool), qns 13-16 (spelunker) ---

qns 17-22 (pesth) ---i got this one too

Model test 3: Section6 - qns 1-4 (all Gs are Hs)

Model test 4: Section5 - qns 8-11 (horizontal row), qns 19-22 (a,b,c cause d)

Section6 - qns 8-12 (spanish, italian), qns 13-16 (all As, Bs), qns 17-22 (progressive federal party)

Model test 5: Section3 - qns8-11 (museum), qns 19-22 (A is the father)

Section7- qns 1-5 (prahtu, brahtu), qns 21-25 (scurvy)

This passages are more than enough to clear critical reasoning, with out GRE barrons 12th edition it is difficult to clear the written test .

If u cannot understand them just MUG UP the ans.

TCS PAPER ON 14th MARCH AT BHUBANESWAR

Hi everyone! I am Mukul and I got thru TCS in an on campus drive in my college where they recruited 130 students . I am from Electrical Branch. Package was 3.15 L for B.tech and 3.35 L for MCA and 2 yrs Bond. It was a two day process in my college Written Test was conducted on 14thout of 340 eligible candidates 248 were selected for Interview round. A combined Technical plus HR interview was conducted on 15th130 out of 248 were finally selected.

I wud like to share my experience wid all of u .The paper as usual consisted of 3 sections-

- 1) VERBAL (20 minutes – 32 questions)
- 2) APTITUDE (40 minutes – 35 questions)
- 3) CRITICAL REASONING (30 minutes – 12 questions)

VERBAL

In this section there were 10 SYNONYMS, 10 ANTONYMS. Also,A long para was given with some blanks n options were given to fill the blanks(abt 7-8 blanks)

Prepare this section frm BARRON'S 12th edition.

Only 333 high frequency words , antonyms chapter , all model test paper antonyms and 750 words from Wordlist is sufficient.

APTITUDE

In this almost all the ques. were frm previous yrs. papers. Ques. pattern was the same just the DATA gets changed.If u solve ques. frm old papers of TCS u can do this section with ease.

ques r frm :

Work and time , singularity matrix , word coding , row major n column major , odd one out , base conversion , series completion , flight problems , orthogonal pairs , general curves , matching pairs venn diagram , pie charts , bar charts , average n many more questions from previous year papers.....

1.What is the largest prime number stored in a—

- a) 6 bit pattern (ANS~ $2^6=64$,So no is 61)
- b) 7 bit pattern (ANS~ $2^7=128$, So no is 127)
- c) 8 bit pattern (ANS~ $2^8=256$, So no is 251)
- d) 9 bit pattern (ANS~ $2^9=512$, So no is 503)

2.If $G(0) = -1$, $G(1) = 1$, $G(N) = G(N-1) - G(N-2)$, then find-
a) $G(2) = ?$ b) $G(3) = ?$ c) $G(4) = ?$ d) $G(5) = ?$ e) $G(6) = ?$

3. Which is not a TRIANGLE—

a) (2m,3m,4m) b) (3m,4m,7m) c) (3m,5m,9m)

a) (30',60',80') b) (40',60',50') c) (60',30',90')

4. Which is the exact power of 2 —

Choice : a)2048 b)2068 c)2668 d)2408

5. CODING & DECODING—

a) QJFBTF=PLEASE then HBJO=?

b) TAFJHH=RBEKGI then RBDJK=?

c) TUBUJPO=STATION then FILTER=?

6. Interchange 1st & 2nd, 3rd & 4th, and so on, of the words “UNIMPRESSIVE” & then find 10th letter a) to the left b) from the left

7. Select odd one out—

a) SQL Server, Ingress, Oracle, DB2, Java [ANS=Java]

b) SMPT, ARP, WAP, HTTP, BAAN [ANS=BAAN]

c) Sybase, Windows NT, Linux, mvs, Java [ANS=Java]

d) Smalltalk, Eiffel, Lisp, Java [ANS=]

e) SQL, DB2, SYBASE, HTTP [ANS=HTTP]

f) SMPT, WAP, SAP, ARP [ANS=SAP]

g)Oracle, Linux, Ingress, DB2 [ANS=LINUX]

h)Linux, Unix, Solaris, SQL Server [ANS=SQL Server]

8. Find the value of—

a) $@@+25-++@16$, where @ denotes "square" & + denotes "square root".

b) $$$6-%%6$, where \$ means "tripling" & % means "change of sign".

c) $%\#6 + \#\%6$, % means "doubling" & # means "reciprocal".

9. In a two-dimensional array, X (9, 7), with each element occupying 4 bytes of memory, with the address of the first element X (1, 1) is 3000, find the address of X (8, 5).

[ANS= 3212] [HINT~ Formula=Base Add + Byte reqd {N(i-1)+(j-1)}

where, Base Add=3000; Byte reqd=4; N=no of columns in array=7; i=8; j=5;

[IN ROW MAJOR ORDER]

10. My flight takes off at 2am from a place at 18N 10E and landed 10 Hrs later at a place with coordinates 36N70W. What is the local time when my plane landed.

11. The size of a program is N. And the memory occupied by the program is given by $M = \text{square root of } 100N$. If the size of the program is increased by 1% then how much memory now occupied?

12. A man, a woman, and a child can do a piece of work in 6 days. Man only can do it in 16 days. Woman can do it in 24 days and in how many days child can do the same work?

13. Number of faces, vertices and edges of a cube ANS:6,8,12

14. Find the result of the following expression if, M denotes modulus operation, R denotes round-off, T denotes truncation:

$M(373,5)+R(3.4)+T(7.7)+R(5.8)$ ANS:19

15. A power unit is there by the bank of the river of 750 meters width. A cable is made from power unit to power a plant opposite to that of the river and 1500mts away from the

power unit. The cost of the cable below water is Rs. 15/- per meter and cost of cable on the bank is Rs.12/- per meter. Find the total of laying the cable.

16. In Madras , temperature at noon varies according to $-t^2/2 + 8t + 3$, where t is elapsed time. Find how much temperature more or less in 4pm to 9pm

17. The size of the bucket is N kb. The bucket fills at the rate of 0.1 kb per millisecond. A programmer sends a program to receiver. There it waits for 10 milliseconds. And response will be back to programmer in 20 milliseconds. How much time the program takes to get a response back to the programmer, after it is sent?

18. If A, B and C are the mechanisms used separately to reduce the wastage of fuel by 30%, 20% and 10%. What will be the fuel economy if they were used combined.

19. Which of the following are orthogonal pairs? a. $3i+2j$ b. $i+j$ c. $2i-3j$ d. $-7i+j$

20. A is twice efficient than B. A and B can both work together to complete a work in 7 days. Then find in how many days A alone can complete the work?

21. Find the singularity matrix from a given set of matrices?(Hint $\det(A)=0$)

22. $A=11010101$
 $b=10101010$
 $c=10001001$
find the decimal value of $(AU(b-c))$

23. there was one pi chart and 4 qs are based on it...easy one

24. there was one bar graph and 4 qs are based on it...

25. find units: $(\text{Momentum} * \text{Velocity}) / (\text{Acceleration} * \text{distance})$

26. Which of the following set of numbers has the highest Standard deviation?

1,0,1,0,1,0

-1,-1,-1,-1,-1,-1

1,1,1,1,1,1

1,1,0,-1,0,-1

27. What curve best suits the following data:

X	Y
0.99	0.00001
10.04	1.02

99.98 1.997

1000 3.0

9990 4.004

(a) $y = \log_n x$ (b) $y = \log_{10} x$ (c) $y = e^x$ (d) $y = -\log_{10} x$ (e) $y = -e^x$

28. Of the four straight lines A, B, C, D find out which pair forms an orthogonal set

A: $5x+4y-7=0$, B: $y=-x$, C: $y=7x+3$, D: $4x=5y+5$

(a)AD (b) AC (c) BC (d) BD (e)AB

29. Three independent mechanisms A, B and C have been incorporated for power saving in a plant producing respectively 30%, 40% and 10% efficiency. Assuming that they operate independently, what is the net power efficiency achieved.

(a) 62.2% (b) 68% (c) 61% (d) 64% (e) 56%

30. COUNTERFEIT in 80 coins one coin is counterfeit what is minimum number of weighings to find out counterfeit coin

31. Match the following:

1. Male - Boy ---> a. A type of
2. Square - Polygon ---> b. A part of
3. Roof - Building ---> c. Not a type of
4. Mushroom - Vegetables ---> d. A superset of

32.. One year ago Pandit was three times his sister's age. He will be only twice her age next year. How old will Pandit be after five years?

a) 8 b) 12 c) 11 d) 13

CRITICAL REASONING

Model test paper 1 : Section 5 : question 1-4
question 13-16

Section 6 : question 1-4
question 8-11

question 19-22

Model test paper 2 : Section 1 : question 1-4
question 8-11

question 19-22

section 6 : question 1-4
question 8-12

question 13-16

question 17-22

Model test paper 3 : Section 5 : question 1-4
question 13-16

question 17-22

Section 6 : question 8-11

question 19-22

Model test paper 4 : Section 5 : question1-4

question 12-18

question 19-22

Section 6 : question 1-4

question 8-12 (may change to Indian languages as mine was d case .)

question 13-16

Model test paper 5 : Section 3 :

question 1-4

question 8-11

question 19-22

Section 7 : question 1-5

question 6-9

Technical + HR interview

My questions were :

- 1) Did u take ur lunch ?
- 2) What did u take....was it enough 4 u ?
- 3) Tell me abt urself .
- 4) Which subjects do u know ?
- 5) Any languages ?

- 6) What r d differences between C and C++ ?
- 7) Programs on string reversal and prime number.
- 8) Program on bubble sort.
- 9) Abt operator overloading.
- 10) What is d principle of a dc generator ?
- 11) Difference between a 5V battery and a capacitor of 5V .
- 12) Principle of motor used in a ceiling fan .
- 13) Advantages of HVDC and EHV transmission lines.
- 14) Explain thevenin theorem.
- 15) Why IT being Electrical ?
- 16) Why tcs ?
- 17) About my achievements.
- 18) Anything not mentioned in CV .

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- 19) Why I shall I take u ?
- 20) U know only c,c+ so how can u exist in software field ?
- 21) About my hometown.
- 22) Any question u want to ask ?

Few Tips :

- 1) Be clear with everything in ur CV.
- 2) Be calm,humble and cheerful throughout ur intrvw (show no sign of stress).
- 3) Don't bluff , they r very smart, they will catch u.
- 4) Try to support ur answers with examples , they'll b impressed.
- 5) Try not 2 get argumentative.

All the best to all tcs aspirants!! Above all I think god's grace alone is sufficient 4 us to make the interview a success...

All the very best 4 ur future!!do well . SEE U IN TCS

WIPRO PLACEMENT PAPER

Hello friends..... Dis is Priyal, pursuing Bachelor of Engineering in Electrical & Electronics stream from Technocrats Institute of Technology, situated at Bhopal (M.P).

Tata Consultancy Services, specifically "TCS" was d first company dat visited my college campus 4r recruitment drive 4r 2009 batch on 15th Jan 2008 and thanks 2 God dat I was declared as a part of their group on 18th Jan 2008 after a long await.....

I m very much thankful 2 m diiii & 2 al who contributed previous year papers & experience on fresher world as it was really very helpful at d time of preparation. As a part of TCS group I m very happy to share my experience wit al as I think dat it will be helpful 4r al d upcoming visitors 4r their preparations. The Recruitment procedure 4r TCS consist of 3 phases (generally, but can vary):

- Ø Online Test
- Ø Technical Interview
- Ø HR Interview

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ONLINE TEST:

The test was conducted on 16th Jan 2008, after the preplacement talk which was held on 15th Jan 2008, given by their delegates. You will be given a user's id & password. Login using that & your test will start. Time will be displayed on the screen & please read & listen to their instruction properly. (For any help call them as they will be available in your respective rooms throughout the test) Remember that their is:

no sectional cutoff

no negative marking

no upper cutoff (IN OUR CASE < ask them about upper cutoff >)

“DO NOT CLICK on EXIT button” that appears on the screen

The test consists of three sections given below:

A. VERBAL SECTION (38 Ques, 20 Minutes): Every question is of 1 mark. There will be 10 antonyms, 10 synonyms, 1 RC having 6 questions and a small passage with 6 blanks. Sorry friends I can't remember the antonyms & synonyms properly as I was able to attempt correctly only 7 or 8 in all. I will advise you to please prepare both 4th GRE Barron (12th Edition) as it is unpredictable to say what will come in paper. If you will be through with both the antonyms & synonyms then you will get ample time to read the passage. In any case you are not getting then please don't waste time, answer accordingly & switch to next questions.

B. QUANTITATIVE APTITUDE (32 QUESTIONS, 40 MINUTES): This is the most scoring section in all the three as most of the questions are from previous papers. Just go through all the old paper questions from freshersworld web properly & understand the method of solving as they may sometimes change the numerical value. That will be more than enough, you even need not to solve RS Aggarwal. If you are not getting then “mug up the answer of those” as some types of questions are always repeated. Some of the questions which I remembered are as follows:

1. Father's age is 5 times his son's age. 4 years back the father was 9 times older than son. Find the father's present age.

Sol): 40 yrs

2. A person was fined for exceeding the speed limit by 10mph. another person was also fined for exceeding the same speed limit by twice the same if the second person was traveling at a speed of 35 mph. find the speed limit?

Sol): 15mph

3. A, B and C are the mechanisms used separately to reduce the wastage of fuel by 30%, 40% and 10%. What will be the fuel economy if they were used combined?

Sol): Method is $(70/100 * 60/100 * 90/100) * 100 = 37.8$

So, economy = $100 - 37.8 = 62.2$

4. Car is filled with four and half gallons of oil for full round trip. Fuel is taken 1/4 gallons more times in going than coming. What is the fuel consumed in coming up?

Sol): 2 gallon

5. In the word ORGANISATIONAL, if the first & second, third & fourth, forth & fifth are interchanged up to the last letter, what would be the the tenth letter 4m right?

Sol): I

6. If VXUPLVH is written as SURMISE, what is SHDVD is written as?

Sol): PEASA

7. Which of the following highest Standard deviation?

a).5,0,5,0,5,0 b) 5,5,5,5,5,5 c) 5,5,5,5,0,5 d) -5, 5, -5, 5,-5, 5

Sol): b

8. A power unit is there by the bank of river of 750 meters width. A cable is made from power unit to power a plant opposite to that of the river & 1500 mts away 4m d power unit. The cost of cable below water is Rs 15/- per meter & cost of cable on the bank is Rs 12/-. Find d total cost of laying?

Sol): Rs. 22500/- (plz refer previous paper 4r d method as I hv m own)

9. One fast typist type some matter in 2hr and another slow typist type the same matter in 3hr. If both do combine in how much time they will finish?

Sol): 1 hr 12 min

10. What are d Surfaces, vertices & edges of d cube?

Sol): 6,8,12

11. Which shape will be obtained by using these values of X & Y?

X	Y
0	0.00001
10	1.02
100	1.72
1000	3.00
9999	4.72

Sol): $Y = \log_{10}(X)$

12. My flight takes off at 2am from a place at 18N 10E and landed 10 Hrs later at a place with coordinates 36N70W. What is the local time when my plane landed?

6:00 am b) 6:40am c) 7:40 d) 7:00 e) 8:00

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Sol): The destination place is 80 degree west to the starting place. Hence the time difference between these two places is 5 hour 20 min. ($=24\text{hr} \times 80/360$).
When the flight landed, the time at the starting place is 12 noon (2 AM + 10 hours).
Hence, the time at the destination place is 12 noon - 5:20 hours = 6: 40 AM

13. Match the following

- | | | |
|--------------------------|------|------------------|
| 1. Mammal - cow | ---> | a. A type of |
| 2. Snake - reptile | ---> | b. A part of |
| 3. Roof - Building | ---> | c. Not a type of |
| 4. Mushroom - Vegetables | ---> | d. A superset of |

Sol): 1-c, 2-d, 3-b, 4-a

14. Find d value of $@@+25 - ++@16$, where @ denotes “square” and + denotes “square root”?

Sol): 621

15. Find d singularity matrix from a given set of matrices?

- a) $\begin{bmatrix} 2 & 3 \\ 4 & 5 \end{bmatrix}$ b) $\begin{bmatrix} 3 & 9 \\ 1 & 3 \end{bmatrix}$ c) $\begin{bmatrix} 0 & 5 \\ 1 & 5 \end{bmatrix}$ d) $\begin{bmatrix} 9 & 8 \\ 1 & 5 \end{bmatrix}$

Sol): b (Hint: $\det(A) = 0$)

16. In a two-dimensional array, X (9, 7), with each element occupying 4 bytes of memory, with the address of the first element X (1, 1) is 3000, find the address of X (8, 5).

Sol): Initially $x(1,1) = 3000$ u have to find from $x(8,1)$ so u have $x(1,1), x(1,2) \dots x(7,7) =$
so u have totally $7 * 7 = 49$ elements need to find for $x(8,5)$? Here we have 5 elements
each element have 4 bytes: $(49 + 5 - 1) * 4 = 212$ ----- (-1 is to deduct the 1 element) $3000 + 212 = 3212$

17. The size of a program is N . And the memory occupied by the program is given by $M = \sqrt{100N}$. If the size of the program is increased by 1% then how much memory now occupied?

Sol): 0.5%

18. In the given series {“b v f q q m b v f m g v f f v f m b v f b g d v f a m v f v f f ...”) How many v's are there such that each v is followed by f next to it, if the f is not followed by q next to it?

Sol): try it out

19. The number 362 in decimal system is given by $(1362)_x$, find the value of x

Sol): 6

20. Convert the decimal number 310 to base 6?

Sol): 1234

21. Find the odd one out? (I'm giving you all as there was 2 to 3 questions on data)

a. LINUX b. WINDOWS 98 c. SOLARIS d. SMTP

b. JAVA b. LISP c. Small talk d. Eiffel

c. HTTP b. ARP c. SMTP d. SAP

d. Linux b. windows NT c. SQL server d. UNIX

e. SAP b. ARP c. WAP d. TCP IP

f. Oracle b. Linux c. Ingress d. DB2

g. SMTP b. WAP c. SAP d. ARP

h. WAP b. HTTP c. BAAN d. ARP

i. SQL b. DB2 c. SYBASE d. HTTP

22. Which of the following are orthogonal pairs?

a) $5i+3j=7$ b) $i-2j=3$ c) $2i-j=3$ d) $3i=5j+6$

Sol): b & c

23. Find the result of the following expression- $M(363, 5) + R(5.8) + T(7.7) - R(3.8)$ if, M denotes modules operation, R denotes round-off, T denotes truncations?

Sol): 19

24. What is d power of 2?

a) 2068 b) 2048 c) 2668

Sol): 2048

25. What is d largest prime number that can be stored in a 9 – bit register?

Sol): 509

26. Find d unit of given expression - $(\text{momentum} \cdot \text{velocity}) / (\text{Acceleration} \cdot \text{distance})$?

Sol): Mass

27. Which is not a side of triangle?

a) (2,3,6) b) (3,2,4) c) (3,4,5) d) (3,3,3)

Sol): b

28. If $g(0)=1$, $G(1)=-1$, $G(N) = G(N-1)+G(N-2)$, then what is $g(6)=?$

Sol): -3 (not sure, just try it out)

29. Complete d series. 4,-5, 11, -14, 22, ---

Sol): -27

30. A file is transferred from one location to another in 'buckets'. The size of the bucket is 10 kilobytes. Each bucket gets filled at the rate of 0.0001 kilobytes per millisecond. The transmission time from sender to receiver is 10 milliseconds per bucket. After the receipt of the bucket the receiver sends an acknowledgement that reaches sender in 100 milliseconds. Assuming no error during transmission, write a formula to calculate the time taken in seconds to successfully complete the transfer of a file of size N kilobytes.

Sol): $(n/1000)*(n/10)*10 + (n/100)$as i have calculated...~~! Not sure

31. A, B and C are 8 bit no's. They are as follows:

A -> 1 1 0 0 0 1 0 1

B -> 0 0 1 1 0 0 1 1

C -> 0 0 1 1 1 0 1 0

Find $((A - C) \cup B) = ?$

Sol): To find A-C, We will find 2's compliment of C and then add it with A,

That will give us (A-C)

2's compliment of C = 1's compliment of C + 1

= 11000101 + 1 = 11000110

A-C = 11000101 + 11000110

= 10001001

Now (A-C) \cup B is .OR. Logic operation on (A-C) and B

10001001 .OR. 00110011

The answer is = 10111011,

whose decimal equivalent is 187.

32. In Madras, temperature at noon varies according to $-t^2/2 + 8t + 3$, where t is elapsed time. Find how much temperature more or less in 4pm to 9pm.?

Sol): In equation first put $t=9$,
we will get 34.5..... (1)
Now put $t=4$,
we will get 27..... (2)
So ans= $34.5-27$
 $=7.5$

33.34.35. Three questions were on bar graph. It was simple to attempt here only. No need to practice

36.37.38. Last problem was based on Venn diagram. Figure was given & on that basis 3 ques were here.

Ex: a Venn diagram on no. of people who know only English, only French, only German, both English and French, French and German, German and English, know all the three.

- >How many know English more than French?
- >What % people speak all the three languages?

- >What % people speak German but not English?

C. CRITICAL REASONING (12 QUES, 30 MINUTES): This is also another scoring section. it consist of three passages with four questions each .As I have found 4m previous paper till m exam date, that all the passages are always given 4m and 5 model test papers that are published in GRE Barron 12th edition. So I recommend u to plz solve them all so that it will be easy for u to attempt as they may sometimes change the name or place in the questions. If u are unable to solve them then plz mug up the answers of the questions having 4 or more parts. Leave the remaining. Three passages which I got were:

1. Large & small university problem given in the 1st model test paper.
2. Electrician & plumber type ques (2nd model test paper). They changed the names of the person, so always be careful.
3. Arrangement of players on one side of table (5th model test paper)

In all dere were around 330 student who appeared 4r d test 4m m college & when results was declared In all dere were aro, 248 were short listed 4r d further stages. I was one among d short listed students. We were given d employment form of d TCS & was asked to fill at home & report on 18th Jan 2008 at 9 am in d morning as our interview was scheduled on dat date.

TECHNICAL INTERVIEW:

On 18th Jan I got ready 4r d college. As m name starts wid 'P' so I thought dat I would be called late dats Y I reached col around 11am .but after a short while I was called 4r d interview. While moving toward d room I tied up m di advice along wid m dat "be confident, have a pleasing smile on a face & forget dat u are not knowing dis or dat. Just be patient & composed". If u are getting nervous den pray 2 god. Around 1pm I entered d room .dere was only one panel of d interviewer. I wished him & he asked me 2 hv a seat.

Sir: so Priyal how ar u?

Me: I m fine sir.

Sir: he saw m resume & den asked me about m presentation. (Be prepared with yr resume fully, each & every aspect of it as dey can ask technical or hr, depends, and was asked 4m m frnds)

Me: I was unable 2 study before m interview but I remembered a part of it, so told him

Sir: he den asked m abt NANO?

Me: As m ppt was based on European standard, I said, it's fantastic.

Sir: but den dat wil increase cars on road & results in pollution?

Me: I answered to his expectations.

Sir: so u ar 4m EX, wat al subject u studied during 1st & 2nd yrs?

Me: I answered approx all.

Sir: he den started wid d networks- KVL, KCL, Ohms law?

Me: I answered all. (Plz prepare d basics of al d subject dat ar frequently asked. Dey don't go in depth)

Sir: he switched to Electronics- diode, its working, transistors, deir practical life applications

Me: I answered but unable 2 give d application of diode.

Sir: he den asked abt languages?

Me: I said dat I don't know any, not even d basics (but u should prepare wid at least d basics of C).

Sir: u wants to switch to IT 4m yr core still u doesn't know any languages?

Me: I explained & told dat I hv quality 2 learn.

Sir: Ar u having PC at home?

Me: I said no

Sir: at col?

Me: yes

Sir: den wat is operating system & XP?

Me: I was unable 2 give it properly.

Sir: so he asked me, have u ever worked on PC. If yes, den on which format?

Me: I said yes, on Microsoft word.

Sir: he den asked me abt d "BULLETS"?

Me: I answered very comfortably. (It was m plus point, I thought. So alwz be honest 2 dem. don't try to act smart as dey ar smarter enough to catch yr smartness.)

Sir: he den asked me 2 prepare a case on "schedule of doctor's appointment"?

Me: I was unable 2 understand so ask him 2 repeat in a polite way

Sir: how would d screen look like if u ar given 2 draw?

Me: I made it. He saw it but didn't respond to me abt it.

Sir: he again asked me, u doesn't know any languages den Y should I take u?

Me: I told 2 him abt m qualities.

Sir: He said ok & switched 2 modulation (amplitude & frequency) & deir advan. & disadvantages?

Me: I answered to some extent correctly.

Sir: he den asked m abt microprocessors? Which one? Do dey hv registers, if yes, den which one?

Me: I answered comfortably.

Sir: finally he asked m again dat u are not much aware of computer languages; den Y should I take u?

Me: answered very politely & explained 2 him abt d reason & told him dat I can adapt myself to any environment & can learn efficiently

Sir: ok priyal, dat it, wait outside?

Me: ok sir. Wished him & left d room.

I cam out & found dat m interview last 4r around ½ an hrs. On d way when I was talking 2 my senior, a mam (senior HR 4m TCS, cam 2 know afterwards) came 2 me & told dat priyal u ar selected . Have u filled d form? I said no. so she told me 2 go downstairs & ask 4r a form. Fill it & wait 4r HR interview.

From m experience & m frnds (as I gather information 4m dem):

- Ø Plz have command on d basics of al d subject bcoz dey can ask anything, can't predict. Always study properly during academics 4m proper books as it helped m dere during microprocessors questions.
- Ø Be confident on yr answers.
- Ø Always say sorry when u ar not getting something.
- Ø Keep yr voice pitch to a normal value as I was a bit loud initially, so d sir pointed out & told me to low down m voice. I apologize to him wid a smile & corrected m mistake.
- Ø Keep yr body posture straight while u are seating on d chair.
- Ø Always give yr answer 2 d point. Don't try to make long stories.

HR INTERVIEW:

When I came down to give HR, I came to know that there is no other form (Except the employment form that you are given after written test). That mam asked me about the form so I told her by mistake, she told that it's ok.... Suddenly I was called for HR. I was waiting outside the room for my chance but the interviewer asked for some other girl called Neha.....

Hence I was asked to wait & finally I was called around 3:10 pm for HR.

I entered the room. There were two panels of interviewer- mam & sir. I wished both & was asked to take my seat.

Sir: so Priyal, tell me about family background?

Me: I told.

Mam: give some light on your academics.

Me: I answered, right from schooling till B.E.

Sir: are you having any brother or sister?

Me: I told.

Sir: Why are you switching to IT?

Me: I told due to wide opportunities & global scenario.

Sir: then why did you not opt for that?

Me: honestly speaking, I answered to him every aspect of my studies right from 10th class.

Sir: then he asked me about my seminar, what did you learn from that.

Me: I told & gave some good point regarding the company growth.

Mam: didn't you recognize the speaker?

Me: yes mam I recognized. (Actually the sir who took my interview was only the speaker at that time of seminar).

Mam: wat u says abt hard work?

Me: I said dat yr smart work can only pay 4r yr hard work.

Mam: quote some example?

Me: I gave.

Sir: did u know anything abt software?

Me: not much

Sir: Y? U got time since den?

Me: I explained 2 him & accepted m fault.

Sir: if yr family didn't permit u to go outside den?

Me: I answered very calmly & gave 1 point "be true & honest 2 yourself". (Dat was something gud regarding m behalf, I thought).

Mam: ask m abt m hobby?

Me: cooking

Sir: which type?

Me: north Indian.

Sir: favorite recipey?

Me: palak paneer.

Sir: tell m its procedure?

Me: gave, both.

Mam: what abt yr tomatoes & onion?

Me: actually I forgot to add, then accepted d mistake, said sorry, & den told.

Sir: didn't u prefer frying panner?

Me: told no, & said dat I m healthy.

Sir: Y we shd take u?

Me: gave m qualities.

Mam: what abt d work atmosphere?

Me: it's very enjoyable & cool.

Sir & mam: discussed both 4r any further questions, said no.

Mam: any queries priyal?

Me: no mam.

Sir & Mam: ok den. Both handshake wid m

Me: I responded to both very confidently & said thank u & left d room.

I cam outside. It finished at 3:35pm & was asked to wait 4r d results.

My sincere advice 2 al is plz be confident while answering & be honest in wat u say bcoz dey easily trap d sins of yrs. Always concentrate on both while answering.

As I was waiting, I cam 2 know dat results would take long time. During den I was listening to other's experience & sharing mine wid othersssssssss.....

But it is rightyyyyyyy said dat" TRUE PRAYERS AR ALWZ HEARD AND GIFTED 4M GOD".....

AND FINALLY AT 11:30PM IN D NIGHT I WAS DECLARED TO BE A PART OF TCS..... Dat moment happiness is uncountable 4r me.

"Just do & give yr best & believe on god bcozzzz he is only one who has made ways 4r all of ussss here & forevrrrrrrr."

TCS PAPER ON 16th JANUARY AT BHOPAL

Hello friends! I had day1 company as TCS on january 15 th , 2008 in our college. Nearly 283 students attended for online test, out of which 121 were short listed for interview.

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Complete tcs selection procedure consists of :

- 1)online test
- 2)technical interview
- 3)H.R. or M.R. round

Online test

Online test consisted of 3 sections verbal, quantitative and critical reasoning.

Total time duration was 90 minutes.

Verbal – 30 questions 20 minutes.

Quantitative – 32 questions 40 minutes

Critical reasoning – 3 puzzles with 4 questions each for 30 minutes.

Verbal consisted of 10 synonyms, 10 antonyms, 5 sentence completion, and a reading comprehension with 5 questions. Synonyms and antonyms were quite difficult, but sentence completion and reading comprehension was easy to get through if u carefully analyze and answer. It is good to be thorough with 400 high frequency words.

Quant section was simple enough. All the previous year questions are repeated. The following questions are some sample questions that I solved in the test.

1) Complete the series 7, 9 , 13 , __ , 27, 37

Ans: 19

2) What is the largest prime number that can be stored in an 8-bit memory?

ANS:127

3) Number of faces, vertices and edges of a cube

ANS:6,8,12

4) In a triangle which one is not possible. Sides are (5 ,5 ,5.), (5 ,4 ,5), (4 ,4 , 9), (3,4 ,5,)?

ANS: (4,4,9) (HINT : for a triangle sum of smaller 2 sides should be greater than the other one which is larger)

5) Match the following:

1. Male - Boy

a. A type of

2. Square - Polygon

b. A part of

3. Roof - Building

c. Not a type of

4. Mushroom – Vegetables

d. A superset of

Ans: 1- d, 2- a, 3- b, 4- c

6) Given \$ means Tripling and % means change of sign then find the value of $\$ \% \$ 6 - \% \$ \% 6 ?$

ANS : -72

7) My flight takes off at 2am from a place at 18N 10E and landed 10 Hrs later at a place with coordinates 36N 70W. What is the local time when my plane landed.

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a) 6:00 am b) 6:40am c) 7:40 d) 7:00 e) 8:00 (Hint : Every 1 deg longitude is equal to 4 minutes . If west to east add time else subtract time)

ANS: (e) 8:00

8) In a two-dimensional array, X (9, 7), with each element occupying 4 bytes of memory, with the address of the first element X (1, 1) is 3000, find the address of X (8, 5).

ANS: 3212

9) Select the odd one out. a. Java b. Lisp c. Smalltalk d. Eiffel.

ANS: LISP

10) In which of the system, decimal number 194 is equal to 1234?

ANS: 5

11) A power unit is there by the bank of the river of 750 meters width. A cable is made from power unit to power a plant opposite to that of the river and 1500mts away from the power unit. The cost of the cable below water is Rs. 15/- per meter and cost of cable on the bank is Rs.12/- per meter. Find the total of laying the cable.

ANS:20250

12) Which of the following are orthogonal pairs? a. $3i+2j$ b. $i+j$ c. $2i-3j$ d. $-7i+j$

ANS: (A) & (C).

13) If VXUPLVH is written as SURMISE, what is SHDVD?

ANS: PEASA

14) If A, B and C are the mechanisms used separately to reduce the wastage of fuel by 30%, 20% and 10%. What will be the fuel economy if they were used combined.

ANS: 20%

15) A can copy 50 papers in 10 hours while both A & B can copy 70 papers in 10 hours. Then for how many hours required for B to copy 26 papers?

ANS: 13

16) Find the singularity matrix from a given set of matrices? (Hint determinant(A)=0)

17) units of basic quantities :

$(\text{energy} * \text{time} * \text{time}) / (\text{mass} * \text{dist}) = \text{distance}$

18) For a round trip, a car used 4 1/2 gallons of gasoline. If it used 1/4 more gasoline going than coming back, how much gasoline was used coming back?

Ans: 2 gallons

19) A shopkeeper bought a watch for Rs.400 and sold it for Rs.500. What is his profit percentage?

Ans. 25%

20) $g[0]=1, g[1]=-1, g[n]=2*g[n-1]-3*g[n-2]$ then calculate $g[4]=$

21) .The ratio of boys to girls is 6:4.60% of the boys and 40% of girls take lunch in the canteen. What % of class takes lunch?

Ans) 52%

22) Which of the following set of numbers has the highest Standard deviation?

a) 1,0,1,0,1,0 b) -1, -1, -1, -1, -1, -1

c) 1,1,1,1,1,1 d) -1,1,-1, 1,-1, 1

ANS: D

23) $(\text{momentum} * \text{velocity}) / (\text{force} * \text{time}) = \text{velocity}$

24-27) there were 3 questions on venn diagrams (like 20 speak eng, 30 speak hindi 3 speak both and so on....)

28-32) 5 questions based on 1 piechart (data interpretation).

CRITICAL REASONING: (3 puzzles with 4 questions each)

1) Some seating arrangement problem like there were 6 people A, B, C, D, E, F sitting in a table they all are agricultural minister, health minister, education minister and so on. The hints proceed like this. 1) A sits 2 seats away from D. 2) agricultural minister cannot sit near health minister. And some 3 more hints (I don't remember) using the hints given in the question U have to trace out their seating position in a round table and have to answer 5 questions based on it.

2) all P's are Q's, some R's are Q's, all P's are E's.....so on. With these hints u can draw a venn digram and answer the following 5 questions. All the questions are from GRE Barron model papers (12 th ,13 th edition) so just solve all those. (Just mug up the answers.)

3) barons gre 12 edition page 496 Ashland is north of east liverpool

TECHNICAL INTERVIEW:

Good Afternoon Sir

SIR: Have seat

ME: thank you very much sir

SIR: Tell me about yourself.

Me: I said my name, my college name, my degree, about my family and my hobbies, some of my positive qualities, my role model.

Sir: What are your core subjects that u have learnt so far?

Me: I am an EC student I said all my core subjects.

Sir: What are the different types of Topologies?, what are merits & demerits of each?

Me: Mesh topology, star topology, Tree topology, Bus topology, partial mesh topology.

<!--[if !supportLineBreakNewLine]-->

<!--[endif]--> Sir: what is the Topology used in ur college?

Me: I said it is star topology.

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<!--[if !supportLineBreakNewLine]-->

<!--[endif]-->Sir: implement bubble sort in c using pointers?

Me: I made it.

<!--[if !supportLineBreakNewLine]-->

<!--[endif]-->Sir: what are header & circular link list.

Me: I explained with an example.

Sir: what are different data structures & how & where do we use them?

Me: I explained

Sir: what are operational amplifier (inverting , non inverting , summer, integrator, differentiator)?

Me: I explained.

Sir: what are flip flops & logic gates?(they can tell any function to implement)

Me: I explained .

HR ROUND :

Sir: Why TCS?

Me: TCS gives Experience certainty, I came to know that it has a good work environment and the employees get a good respect. It has various initial and continuous learning programs which will help me a lot in learning new skills and updating myself with latest technologies hence I prefer TCS.

Sir: DHEERAJ you are from Bhopal can u tell the history of Bhopal ?

Me: I told.

Sir: Tell me about famous Bhopal Gas tragedy?

Me: I told.

Sir: Tell me about famous historical temples , about kings, dates etc ?

Me: I told.

Sir: Do u have anything to ask us?

Me: I have 1 more year to complete my course what do u expect me to do in this 1 year to fit in to your organization?

I was almost sure that I will get placed and as expected I got selected. Out of 121 who attended the interview 48 got placed.

Speak very polite and be confident in the interview. Don't try answering the question that you really don't know. Be very careful with the resumes keep it as simple as you can .

Three suggestions from my side for an interview

1 don't bluff

2 for God's sake don't bluff

3 for your own sake don't bluff

ALL THE VERY BEST. MEET YOU IN TCS

TCS PAPER ON 17th MARCH AT BHUBANESWAR

hi...i am Akhilesh thakur from KRUPAJAL ENGG COLLEGE, bhubaneswar. we were having on campus drive of TCS on 17 & 18 march 2008. All together there were 230 students were there, 184 cleared the written test and finally 78 got through the Campus, And I was one of them. All the aptitude questions were repeated from previous year papers from TCS. For critical reasoning section go through the GRE 12th edition, it is available on the net. Even if u r not able to solve that just mug up the answers.

First there will be PPT frm TCS then they will give u the details of online test. there is no sectional cut off, attempt as much question frm aptitude section, as most of them are repeated

There will be three section

1. English 32 ques 20min
2. Aptitude section 38ques 40 min.
3. critical reasoning 12ques 30min.

QUANTITATIVE APTITUDE SECTION

1. Two pencils costs 8 cents, then 5 pencils cost how much

Sol: 2 pencils è 8 cents => 1 pencil è 4 cents

Therefore 5 pencils cost = $5 * 4 = 20$ cents

2. A work is done by two people in 24 min. one of them can do this work a lonely in 40 min. how much time required to do the same work for the second person.

Sol: (A+B) can do the work in = $1/24$ min.

A alone can do the same work in = $1/40$ min.

B alone can do the same work in = (A+B)'s - A's = $1/24 - 1/40 = 1/60$

Therefore, b can do the same work in = 60 min

3. A car is filled with four and half gallons of oil for full round trip. Fuel is taken $1/4$ gallon more in going than coming. What is the fuel consumed in coming up?

Sol Before the trip, car is filled with = $4 \frac{1}{2}$ gallon of oil

Let 'X' be the quantity of fuel consumed for the trip in one direction

The fuel consumed while going = $X + \frac{1}{4}$

The fuel consumed while coming = X

Therefore, the fuel consumed for the trip = $(X + \frac{1}{4}) + X = 4 \frac{1}{2}$

$\delta 2X + \frac{1}{4} = 4 \frac{1}{2} \Rightarrow 2X = 4 \frac{1}{2} - \frac{1}{4} \Rightarrow 2X = 4 \frac{1}{4} \Rightarrow X = 2$. approx

Therefore the fuel consumed while coming = 2 gallon

4. Low temperature at the night in a city is $1/3$ more than $1/2$ high as higher temperature in a day. Sum of the low temperature and highest temp. is 100 degrees. Then what is the low temp?

Sol: 40 deg.

5. A person, who decided to go to weekend trip should not exceed 8 hours driving in a day. Average speed of forward journey is 40 m/h. Due to traffic in Sundays, the return journey average speed is 30 m/h. How far he can select a picnic spot?

a) 120 miles

b) Between 120 and 140 miles

c) 160 miles

Answer: 120 miles

5. A person was fined for exceeding the speed limit by 10mph. Another person was also fined for exceeding the same speed limit by twice the same. If the second person was traveling at a speed of 35 mph, find the speed limit.

Sol: Let 'x' be the speed limit

Person 'A' was fined for exceeding the speed limit by = 10mph

Person 'B' was fined for exceeding the speed limit by = twice of 'A'

= $2 * 10\text{mph} = 20\text{mph}$ given that the second person was traveling at the speed of 35mph =>

$35\text{mph} - 20\text{mph} = 15\text{mph}$

Therefore the speed limit is =15 mph

6. A bus started from bus stand at 8.00am, and after 30 minutes staying at destination, it returned back to the bus stand. The destination is 27 miles from the bus stand. The speed of the bus is 18mph. In return journey bus travels with 50% fast speed. At what time it returns to the bus stand?

Sol: 11.00am

7. In a mixture, R is 2 parts S is 1 part. In order to make S to 25% of the mixture, how much r is to be added?

Sol: One Part

8. Wind flows 160 miles in 330 min, for 80 miles how much time required.

Sol:

9. With $\frac{4}{5}$ full tank vehicle travels 12 miles, with $\frac{1}{3}$ full tank how much distance travels

Sol: (5 miles)

10. A storm will move with a velocity of towards the center in hours, at the same rate how much far will it move in hrs.

Sol: (but the answer is $\frac{8}{3}$ or $2 \frac{2}{3}$)

11. In a two-dimensional array, X (9, 7), with each element occupying 4 bytes of memory, with the address of the first element X (1, 1) is 3000; find the address of X (8, 5).

Ans: 3212

12. In the word ORGANISATIONAL, if the first and second, third and forth, forth and fifth, fifth and sixth words are interchanged up to the last letter, what would be the tenth letter from right?

Ans:I

13. What is the largest prime number that can be stored in an 8-bit memory? Ans : 251

14. Select the odd one out.a. Java b. Lisp c. Smalltalk d. Eiffel.
15. Select the odd one out a. SMTP b. WAP c. SAP d. ARP
16. Select the odd one out a. Oracle b. Linux c. Ingress d. DB2
17. Select the odd one out a. WAP b. HTTP c. BAAN d. ARP
18. Select the odd one out a. LINUX b. UNIX c. SOLARIS d. SQL SEVER
19. Select the odd one out a. SQL b. DB2 c. SYBASE d. HTTP
20. The size of a program is N. And the memory occupied by the program is given by $M = \sqrt{100N}$. If the size of the program is increased by 1% then how much memory now occupied?
Ans: $0.5\%(\sqrt{101N})$
21. A man, a woman, and a child can do a piece of work in 6 days. Man only can do it in 24 days. Woman can do it in 16 days and in how many days child can do the same work?
Ans: 16
22. In which of the system, decimal number 184 is equal to 1234?
Ans: 5
23. Find the value of the 678 to the base-7.
Ans: 1656
24. Number of faces, vertices and edges of a cube
Ans: 6 8 12
25. Complete the series 2, 7, 24, 77, ___
Ans: 238
26. Find the value of $@@+25-++@16$, where @ denotes "square" and + denotes "square root".
Ans: 621
27. Find the result of the following expression if, M denotes modulus operation, R denotes round-off, T denotes truncation: $M(373,5)+R(3.4)+T(7.7)+R(5.8)$
Ans:19
28. If TAFJHH is coded as RBEKGI then RBDJK can be coded as?
Ans: qcckj
29. $G(0) = -1, G(1) = 1, G(N) = G(N-1) - G(N-2), G(5) = ?$
Ans: - 2

30. What is the max possible 3 digit prime number?

Ans: 997

31. A power unit is there by the bank of the river of 750 meters width. A cable is made from power unit to power plant opposite to that of the river and 1500mts away from the power unit. The cost of the cable below water is Rs.15/- per meter and cost of cable on the bank is Rs.12/-per meter. Find the total of laying the cable.

Ans : 1000 (24725-cost)

32. The size of a program is N. And the memory occupied by the program is given by $M = \text{square root of } 100N$. If the size of the program is increased by 1% then how much memory now occupied?

Ans:0.5%(SQRT 101N)

33. In Madras , temperature at noon varies according to $-t^2/2 + 8t + 3$, where t is elapsed time. Find how much temperature more or less in 4pm to 9pm.

Ans: At 9pm 7.5 more

34. The size of the bucket is N kb. The bucket fills at the rate of 0.1 kb per millisecond. A programmer sends a program to receiver. There it waits for 10 milliseconds. And response will be back to programmer in 20 milliseconds. How much time the program takes to get a response back to the programmer, after it is sent?

Ans: 30

35. A man, a woman, and a child can do a piece of work in 6 days. Man only can do it in 24 days. Woman can do it in 16 days and in how many days child can do the same work?

Ans: 16

36. Which of the following are orthogonal pairs?

a. $3i+2j$ b. $i+j$ c. $2i-3j$ d. $-7i+j$

Ans: a, c

37. If VXUPLVH is written as SURMISE, what is SHDVD?

Ans: PEASE

38. If A, B and C are the mechanisms used separately to reduce the wastage of fuel by 30%, 20% and 10%. What will be the fuel economy if they were used combined.

Ans: 20%

39. What is the power of 2? a. 2068 b.2048 c.2668

40. Complete the series. 3, 8, --, 24, --, 48, 63. Ans: 15,35

41. Complete the series. 4, -5, 11, -14, 22, -- Ans: -27

42. A, B and C are 8 bit no's. They are as follows:

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A -> 1 1 0 1 1 0 1 1

B -> 0 1 1 1 1 0 1 0

C -> 0 1 1 0 1 1 0 1

Find $((A-B) \cup C) = ?$ Hint: 109.... A-B is $\{A\} - \{A \cap B\}$

43. A Flight takes off at 2 A.M from northeast direction and travels for 11 hours to reach the destination, which is in northwest direction. Given the latitude and longitude of source and destination. Find the local time of destination when the flight reaches there?

Ans: 7 am

44. A can copy 50 papers in 10 hours while both A & B can copy 70 papers in 10 hours. Then for how many hours required for B to copy 26 papers?

Ans: 13

45. A is twice efficient than B. A and B can both work together to complete a work in 7 days. Then find in how many days, A alone can complete the work?

Ans: 10.5

46. A finish the work in 10 days. B is 60% efficient than A. So how many days do B takes to finish the work?

Ans :100/6

47. A finishes the work in 10 days & B in 8 days individually. If A works for only 6 days then how many days should B work to complete A's work?

Ans: 3.2 days

48. Given the length of the 3 sides of a triangle. Find the one that is impossible? (HINT: sum of smaller 2 sides is greater than the other one, which is larger)

49. Find the singularity matrix from a given set of matrices? (Hint $\det(A) \neq 0$)

50. $(\text{Momentum} \times \text{Velocity}) / (\text{Acceleration} \times \text{distance})$. Find units.

Ans: mass

51. The number 362 in decimal system is given by $(1362)_x$ in the X System of numbers find the value of X a) 5 b) 6 c) 7 d) 8 e) 9

52. Given \$ means Tripling and % means change of sign then find the value of $\$ \% \$ 6 - \% \$ \% 6$

53. My flight takes of at 2am from a place at 18N 10E and landed 10 Hrs later at a place with coordinates 36N70W. What is the local time when my plane landed?

6:00 am b) 6:40am c) 7:40 d) 7:00 e) 8:00

(Hint: Every 1 deg longitude is equal to 4 minutes. If west to east add time else subtract time)

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CRITICAL REASONING:

Entirely from Barron's 12th edition 5 Model Test Papers at the end. Those who don't have barrons, you can obtain it from the Internet and get the book in a pdf format. The questions asked are from these...

Model test 1: Section5 - qns 1-4 (motorist), qns 13-16 (red and brown)
Section6 - qns 1-4 (conservative,democratic), qns 8-11 (latin, sanskrit), qns 12-18 (joe,larry,ned), qns 19-22 (a causes b)
Model test 2: Section1 - qns 19-22 (wallachia and rumelia) ---
Section6 - qns 8-12 (ashland , liverpool), qns 13-16 (spelunker) ---
qns 17-22 (pesth) ---i got this one too
Model test 3: Section6 - qns 1-4 (all Gs are Hs)
Model test 4: Section5 - qns 8-11 (horizontal row), qns 19-22 (a,b,c cause d)
Section6 - qns 8-12 (spanish, italian), qns 13-16 (all As, Bs), qns 17-22 (progressive federal party)
Model test 5: Section3 - qns8-11 (museum), qns 19-22 (A is the father)
Section7- qns 1-5 (prahtu, brahtu), qns 21-25 (scurvy)

HR+TECH INTERVIEW:

For technical round, get well dressed in formal outfits . Bring the file with ur certificates and Resumes. Don't bluff in the resumes, as they check your resume and ask questions related to it.

INT: Get in

ME : Good morning,Sir.

INT: So u r akhilesh kumar Thakur,so tell me the meaning of ur name.

ME : answered.

INT: (then they asked) which is ur favourite subject ?

ME : i told digital electronics and analog communication technique.

INT: what is sampling and how it is done ?

ME : answered.

INT: r u comfortable in C.

ME : yes sir.

INT: what is the difference between function and procedure ?

ME : answered.

INT: any ques frm us ?

ME : what else i have to study for the company ?

At the last I am very very thankful to freshersworld for giving me the right approach to crack TCS.

TCS PAPER ON 18th MARCH 2008.

Hi ,I am Hardik B Korat, a computer engg. student of BIRLA VISHWAKARMA MAHAVIDHYALAYA, Vallabh Vidhya nagar... I would like to share my expereince during TCS On-Campus Interview.

TCS written test is easy if u concentrate little on it.

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www.123eng.com Engineering the Engineers

WRITTEN Test:

- Read previous 10 paper and I m sure that u will clear written test.....
- There is no negative markings, no upper cut off, no sectional cut off
- But there is sectional time cut off, as there is online test.

There are basically 3 parts in written

a) Verbal :

There prepare antonyms and synonyms from previous papers. After that two paragraphs are given in that section. Totally 32 marks in this section. Concentrate little in this part because this is some what difficult to answer depend much on luck.

b) Arithmetic ability:

This is the easiest section where we can get good score. It is enough to prepare previous papers, they just change the digits and the model is same. There are some problems from Bar and Pie Chart. If u score above 32 out of 38, I m damm sure that u will clear the written.

Few were like....

1. 58, 27, 12, __, 2 .

Sol. $27*2+4 = 58$, $12*2+3 = 27$, $5*2+2 = 12$, $2*2+1 = 5$, $1*2+0 = 2$ ans = 5

2. How the given string how many Y's are followed by L that are not followed by PYLYPQMYLPMLYLLYQMYYLQYLPLYAMLYLM Sol. Only count those pair by YL and discard pairs of YLPans =4.

3. First & second, third and fourth, fifth and sixth letter of word SENSATIONALY are interchanged find the 12th letter form right.

Sol. The interchanged word is ESSNTAIONALY. Now start counting frm Right the 12th letter is E.

4. What is the largest prime number which can be stored in 6 bit register?

Sol. As the register is 6 bit long we can store max number 63 (if all bits are 1).But 63 is not prime the largest prime number is 61.

Ans = 61.

5) Number of faces, vertices and edges of a cube

Ans. 6, 8, 12

6. If $g(0) = 1$, $g(1) = -1$ and $g(n) = g(n-1)-g(n-2)$ then calculate $g(6)$.

Sol. Start with $g(2) = g(1) + g(0) = -1 - 1 = -2$, $g(3) = g(2) + g(1) = -2+1 = -1$, $g(4) = g(3) + g(2) = -1+1 = 0$, $g(5) = g(4) + g(3) = 0+1 = 1$, $g(6) = g(5) + g(4) = 1-0 = 1$
ans = 1.

7. which of the following having highest standard deviation.

a. 9,0,9,0,9,0 b. 9,-9,0,9,0,-9 c. 9,-9,9,-9,9,-9 d. 9,9,9,9,9,9

Ans. C, standard deviation is 18(i.e. the difference between two consecutive terms is highest).

8. Find the result of the following expression- $M(737, 7) + R(3.4) + T(7.7) - R(6.4)$ if, M denotes modulus operation, R denotes round-off, T denotes truncations?

Sol): $2+3+7-6 = 6$

9. In a city, temperature at noon varies according to $-t^2/6 + 4t + 12$, where t is elapsed time. Find the percentage change in temperature from 3pm. to 6 pm.

Sol): In equation first put $t=3$,

we will get 25.5..... (1)

Now put $t=6$,

we will get 42..... (2)

So %change = $((42-25.5)/42)*100$
 $=39.3$

10. Find the Odd one out? a. Oracle b. Linux c. Ingress d. DB2

Ans. All other except Linux which is an operating system are Database Management Systems.

Etc.....

C) Critical Reasoning:

In this section there will be 3 passages and questions on it. So, we have to prepare the GRE Barron's book either 12th or 13th edition. All will come from that only.

Out of 250 students, 150 cleared written test.... So, all the best guys.....

Next I had Technical round on 19th march 2008.

Technical Round:

For this prepare well your academic subjects. They can ask on any one and you should be able to answer. I have prepared just C, C++, DS.

Take care that your resume is the best if your technical knowledge is not much good. Add something in your resume that attracts interviewer to ask you.

If you lead your interview in the way you want, it would impress the interviewer...

We were having presentation of t.c.s. at 9.30 am. in morning. Please attend this presentation. My turn came at 12.20pm.

I was first to be interviewed in my block. Be confident, they don't see whether u are best in technical or not. They will definitely select u, if u have positive approach and confidence.

The interviewer called me and started interview...

- Interviewer will judge u within a minute u enter the room. So be confident and show them that u will fit best in their company.
- Please take care to wish the interviewer properly.
- tell me about urself ?
- 3 ques on dbms? (like dml, rdbms...).
- Strength, weakness? (explained all well).
- Explain Hacking? (que was asked as I had mentioned in my resume—explined for 6 min).
- Ques on wi-fi tech, online file sharing, code ragging- all included in my resume. (explained all well, thus spent 15 min).
- Be prepared for ques like- why tcs?, why should we select u?, which position in tcs?
- Please do ask a question at last if interviewer tells “do u have any question?”.

Blockwise results were declared, nd I got result at 2pm. Out of 150 students 70 cleared technical round.

HR INTERVIEW:

On same day at 2.30pm, I had filled a form and was called at hr interview. There were more technical ques compared to hr. ques.

In this round u will get the same questions as have been asked till now e.g.

“tell me abt urself “

“ ur family background “

favourite subjects.

Ques from subjects other than fav. Subjects.

How current is produced?

How is flux produced?

What are registers?

“I was shocked by these ques...”

Strength?

Sir-which work would u prefer in tcs?

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Me- coding.

Sir- have u coded anything till now.

Me (not coded yet still) – ya sir, I have prepared a game of tic tac toe.

Sir- explain code for that?

I prepared code and explained it for 15 minutes.

Sir was definitely impressed.

Sir-“are u mobile?”

Me –“u can throw me anywhere in the world, I cud fit anywhere”.

I asked reasons why tcs firing 500 employees?

Sir-“they were not knowing basics of electronics”

Me-“sir u can not fire a person without hiring them”

Sir laughed .

Say thanks to sir while leaving.

It was informed on next day that Total 33 were selected out of 70 that appeared in H.R. interview.

Do perform well nd all d best for ur future.....

TCS PAPER ON 19th FEBRUARY 2008

HI FRIENDS, THIS WAS MY WHOLE EXPERIENCE OF TCS PLACEMENT, I HOPE YOU WILL BE BENEFITTED FROM IT.

APTITUDE:-

VERBAL:

i didnt study this part, but marked it all in c. the passage and fill in the blanks were from Baron'r passages.

QUANTITATIVE:

1. The size of a program is N. And the memory occupied by the program is given by $M = \sqrt{100N}$. If the size of the program is increased by 1% then how much memory now occupied?

Ans. 0.5%

2. Number of faces, vertices and edges of a cube

Ans. 6, 12, 8

3. Find the result of the following expression if, M denotes modulus operation, R denotes round-off, T denotes truncation: $M(373,9)+R(3.4)+T(7.7)+R(5.8)$

4. $G(0)=1$, $G(1)=-1$, $G(N)=G(N-1) - G(N-2)$, $G(6)= ?$

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5. A power unit is there by the bank of the river of 750 meters width. A cable is made from power unit to power a plant opposite to that of the river and 1500mts away from the power unit. The cost of the cable below water is Rs. 5/- per meter and cost of cable on the bank is Rs.6/- per meter. Find the total of laying the cable.

6.. In Madras , temperature at noon varies according to $-t^2/2 + 8t + 3$, where t is elapsed time. Find how much temperature more or less in 4pm to 9pm.

7. A 2D array is declared as A[9,7] and each element requires 2 byte. If A[1,1] is stored in 3000. Find the memory of A[8,5] ?

8. (Momentum*Velocity)/(force * distance) find units.

9. Match the following:

1. Male - Boy ---> a. A type of
2. Square - Polygon ---> b. A part of
3. Roof - Building ---> c. Not a type of
4. Mushroom - Vegetables ---> d. A superset of

10.1)Which of the following highest Standard deviation
a.5,0,5,0,5,0 b) 5,5,5,5,5,5 c) 5,5,5,5,0,5 d) -5, 5, -5, 5,-5, 5

11.Which of the following are orthogonal pairs a) $5i+3j=7$ b) $i=-jc$ c) $2i-j=3$ d) $3i=5j+6$
1. a&d 2. a&c 3. c&d 4. b&d

12. My flight takes of at 2am from a place at 18N40E and landed 8 Hrs later at a place with coordinates 36N40W. What is the local time when my plane landed?

13.2 student get 3 and 3.5 in their class exam And 1.4 and 1.65 in final exam respectively . What might be the class marks of 3rd student who have got 0 marks in final exam? (not exactly same values)

14.Odd one out:

- a. Linux b.windows NT c. SQL server d. Unix

15.19. A person was fined for exceeding the speed limit by 10 mph. Another person as also fined for exceeding the same speed limit by twice the same. If the second person was traveling at a speed of 35 mph. Find the speed limit .ans: 15 mph

16.117. In the word ORGANISATIONAL, if the first and second, third and forth, forth and fifth, fifth and sixth words are interchanged up to the last letter, what would be the tenth letter from right?

17.the graph of $\tan x$ was given.

18. If TAFJHH is coded as RBEKGI then RBDJK can be coded as?
19. 43. If A, B and C are the mechanisms used separately to reduce the wastage of fuel by 30%, 20% and 10%. What will be the fuel economy if they were used combined.
20. A, B and C are 8 bit no's. They are as follows:
A -> 1 1 0 1 1 0 1 1
B -> 0 1 1 1 1 0 1 0
C -> 0 1 1 0 1 1 0 1
Find $((A-B) \cup C) = ?$
21. A finishes the work in 10 days & B in 8 days individually. If A works for only 6 days then how many days should B work to complete A's work?
22. Find the singularity matrix from a given set of matrices?
23. (a) $2+3i$ (b) $1+i$ (c) $3-2i$ (d) $1-7i$. Find which of the above is orthogonal.
24. $(466)_{\text{decimal}} = ?$ what is the number in base 7?
25. which one is the power of 4 = (ans. 4096)

REASONING:

study all from baron's 12th edition. all 3 were common.

1. all G's are H's. all J and K are G....

2. 2 military persons, 1 speaker, and 2 leafletters are needed.

A, B, C - leafletters, C, D, E, F - speakers.....

3. alice can work on monday, wed and fri. betty can work only except wed.....

INTERVIEW AND TECHNICAL:

first introduce yourself.

how much do you rate yourself in a scale of 5 (for C).

write a string reverse program using pointers.

what is the difference between array and linked list.

what are the features of OOP? explain

which is the best search algo, and best sort algo.

what is multi-tasking, and multi-threading?

what is thread?

what is deadlock? how is it prevented?

what is dining philosophers problem?

How can you prevent it?

They were very friendly .

they asked as i am the only child can i go out?

why you want to join tcs?
why not infosys?isnt infosys your dream company?
after marriage can i go abroad if my inlaws dont allow and so on?
at last they said you seem to be very optimistic,what do you think?
will you get the job?

well i really cleared it,so welcome to all people who make it to tcs.

BEST OF LUCK

TCS PAPER ON 19th FEBRUARY 2008

Hi friends i m going to supply each and every information about TCS selection procedure, which i faced recently. If u have any query u can even call me at 09932906372, i will b always there to guide u.....as i know & understand the value of proper guidance in case of TCS.

Firstly there will b a PPT(Pre Placement Talk) by TCS executives ,pay full attention at PPT & write down the important facts & figures about TCS as it will b help full in HR, then the aptitude test will start.

Exam Pattern :: 1>Aptitude Test
2>Technical Test
3>HR Test

1-APTITUDE TEST

My aptitude test was online. Ther is no need to panic ,its very simple. There was no sectional cut off & no negative marking. Time was fixed for particular section, once the time for one section is over u can not return back to it or change the answers for that section's can change the answers in a particular section in the time limit provided for that section, for example u can change the answers of English section in the time provided ,first 20 minutes but after that u can not, as after that quantitative section will come automatically.

It has 3 sections:-

1>English -(time-20 minutes)-(10 synonyms + 10 antonyms + 8 fill in the blanks + 1 passage)

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2>Quantitative -(time-40 minutes)-(38 questions)

3>Critical Reasoning -(30 minutes)-(3 reasoning passage)

1>ENGLISH

In case of English, the paper was very very standard. Most of the antonyms & synonyms were really new ,i mugged many but it didn't helped me allot, but i will also suggest that go through different paper like mine one. U have to use ur IQ to solve most of them, i will suggest don't waste extra energy on mugging up anto. & syno., but ya mug up the common ones.

Synonyms & synonyms:-

Most of the words were new, so i don't remember, but still what i remember i will write, do both antonym & synonym of the word ...

ESTRANGE

APATHETIC

I really don't remember.....

i have a list of most frequent asked words , if u want , I can give it to u by mailing it to ur ID

fill in the blanks It was really tough, i really don't remember, but don't worry much as there r many set of paper, u may get a easy one, as told by friends that few of them got easy ones.

Passage

It was a psychological type passage,(but NOT psychological paper) i read all the passage of Barron but it was not from that, so b prepared.

2>QUANTITATIVE

PLEASE GO THROUGH MY PAPER AND FEW MORE, THAT IS MORE THAN ENOUGH, NO NEED TO GO THROUGH ANY BOOK. Dont waste time for this section preparation, just go throgh the papers, this is the most scoring section of all 3 sections.

1> Match the following:

1. Male - Boy ---> a. A type of
2. Hexagon- Polygon ---> b. A part of
3. Roof - Building ---> c. Not a type of
4. Mushroom - Vegetables ---> d. A superset of

Ans. 1- d, 2- a, 3- b, 4- c

2> $G(0) = -1$, $G(1) = 1$, $G(N) = G(N-1) + G(N-2)$, find $G(6) = ?$

ans.3

3>Which set of data exhibits a higher Standard Deviation?

- (a) 7, 0, -7, 7, 0, -7 (b) 7, 7, 7, 0, 7, 7 (c) -7, -7, -7, -7, -7, -7 (d) 7, 7, 7, 7, 7, 7 (e) 7, -7, 7, -7, 7, -7

Ans: e

4> In Chennai , temperature at noon varies according to $-t^2/2 + 8t + 3$, where t is elapsed time. Find how much temperature more or less in 4pm to 9pm.

Ans. put value 9 and 4 in the eqn. $-t^2/2+8t+3$, then subtract the lower value from higher one that is the answer.

5>Number of faces, vertices and edges of a cube

Ans. 6, 12, 8

6>Largest prime nos in n-bits register(n from 5 to 9)

Ans: Largest prime no in 9-bit register—509

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Largest prime no in 8-bit register—251

Largest prime no in 7-bit register—127

Largest prime no in 6-bit register—61

Largest prime no in 5-bit register—31

Largest prime no in 3-bit register--7

7> 2 questions were on identifying the nature of the graph .

$$y = \tan x$$

$$y = \cos x + 2$$

$y = \log x$ practice this type equations only.

8> The size of a program is N. And the memory occupied by the program is given by $M = \sqrt{1000N}$. If the size of the program is increased by 1% then how much more memory now occupied?

Ans: 0.5 %

9> Evaluate the expression

$M(843, 11) + R(5.8) + T(7.7) - R(3.4)$ where M stands for Modulo arithmetic, R stands for Round-off operation and T stands for Truncation Operation

Ans: $7 + 6 + 7 - 3 = 17$

10> Find the value of $@@ + 25 - ++@ 16$ where @ denotes "square" and + denotes "square root".

Ans: $625 - 4 = 621$

11> A power cable is run by the bank of the river of 900 meters width. A cable is made from power unit to power a plant opposite to that of the river and 3000mts away from the power unit. The cost of the cable below water is Rs. 5/- per meter and cost of cable on the bank is Rs. 4/- per meter. Find the point downstream where the cable is to cut across the river.

Ans: 2100m, $(900 * 5 + \{3000 - 900\} * 4)$, please check i m not sure.

12> Find the singularity matrix from a given set of matrices?

90 78 23 09

89 , 34 , 23 , 45

Ans. 23

23, as $\text{Det}(A)=0$

13>(Momentum*Velocity)/(Acceleration * distance) find units.

Ans. Mass

14>A man, a woman, and a child can do a piece of work in 6 days. Man only can do it in 24 days. Woman can do it in 16 days and in how many days child can do the same work?

Ans. 8 days (please confirm it once)

15>In a two-dimensional array, $X(9,7)$, with each element occupying 2 bytes of memory, with the address of the element $X(0,0)$ is 3000, find the address of $X(8,5)$?

Ans: 3106

16>Series completion

2,4,_,14,22

Ans:-8

17>Three independent mechanisms A, B and C have been incorporated for power saving in a plant producing respectively 30%, 40% and 10% efficiency. Assuming that they operate independently, what is the net power efficiency achieved?

(a) 62.2% (b) 68% (c) 61% (d) 64% (e) 56%

Ans:(a) 62.2% (please confirm once)

18>Find the value of A or B or C.....practice few more like this.

A 0 0 0 0 1 1 1 1

B 0 0 1 1 0 0 1 1

C 0 1 0 1 0 1 0 1

19>An aircraft takes off from A (89° N Lat , 20° E) at 6.00 AM local time to B (50° S , 40° W). If the flying time is 10 hours what is the local time of landing at B?

Ans:12:00pm

Don't worry for N,S,E & W it does not matters .

1o change == 4mins

Here 20 o+40 o=60 o

So $60 \times 4 = 240$ mins.....4hrs

If time change not considered ,then after 10 hrs it will reach at the same palce after

$6:00 + 10:00 = 4:00$ pm

Going frm east to west so subtract 4hrs frm 4:00pm...

$4:00\text{pm} - 4\text{hrs} = 12:00\text{pm}$

(if plane is going frm west to east then then Add those hrs)

20>11. Select the odd one out

a. SMTP b.WAP c. SAP d.ARP

ans : (c) SAP

21>Select the odd one out.

a. Java b.Lisp c. Smalltalk d.Eiffel

Ans: (b) Lisp

22>Which of the following are orthogonal pairs?

a. $3i+2j$ b. $i+j$ c. $2i-3j$ d. $-7i+j$

Ans: a & c (dot product = 0)

23>select odd one- sql, db2, sybase, http

Ans:-http

24>select odd one-sybase, db2, oracle, unix

Ans:-unix

25-27>Venn diagram is given specifying that some people know Math, some know Physics, etc . so prepare for venn diagrams of 3 circles 3 Q's will b there on the venn diagram.(u can prepare this part from R.S.Agarwal)

28-30> 3 Questions on Data interpretation

it can b asked from: BAR GRAPH

CIRCLE GRAPH

PIE CHART

(u can prepare it from RS Agrawal)

31> 534 in decimal system is 1362 in certain system. find base of that.

Ans:7

(Trial & error)

32> A can copy 50 papers in 10 hrs while A &B together can copy 70 papers in 10 hrs.how many hrs will be required for B to copy 26 papers?

Ans: 13hrs

33>Find eqn of line having intercepts (0,3) & (-2,0)

Ans $Y=(3/2)X + 3$

Formula $x/a + y/b = 1$

34>if $n=105*28*51$ which one is not int?

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a) $n/210$ b) $n/70$ c) $n/161$ d) $n/255$
Ans: (c)

35> which one is the power of 3
a> 2312 b> 6762 c> 6074 d> 1701 e> 1831
ans d

36> If VXUPLVH is written as SURMISE, what is COVER?

So friends this section is almost same every time, only the figures r different,. i think this was the section in which in which i was most sure & confident.

2>CRITICAL REASONING

Just go through Barron's 12th edition, most of the reasoning were from that book. In that book at last 5 model test paper r given , solve reasoning from it , its enough, if u can't understand the reasoning just mug up the answers

HR

My Technical & HR was combined, as i m from Electronics & Communication department so i prepared two of my subjects firstly Digital electronics and the second one as Tele communication. In computer field i did C & Data Structure only.

Then i was called.....

I opened the door and took permission to come in.....

ME> Sir, may i come in?

HR>come in.

HR> sit down

ME> thank u Sir

Then i forwarded my file

HR>what is this?

ME>Sir my CV. (it will be better if u say "Sir my CV and my academic and achievement records")

HR>ok tell something about your self, which is not mentioned in the CV.

ME> Good morning Sir , i m Kumar Saurav from Dhanbad ,as u know thats the coal capital of India .. i m from this college.....,know i would like to talk about my positive qualities.....i have a lot of interest in.....achievements.....extracurricular activities.

HR>tell some thing about your family?

ME> told.....

HR>ok,u r from electronics & communication?

ME> yes Sir.

HR>which subject u r most comfortable?

ME>Digital electronics.

HR>can u draw a JK flip flop?

ME>yes Sir(then drawn)

HR>write its truth table?

ME>.....(written)

HR>Explain it?

ME>.....(explained)

HR>can u draw Integrator Op-amp?

ME>(drawn but not fully correct)

HR>its wrong

ME>yes Sir i can not remember know

HR>can u write bubble sort program?

ME>Sir i can explain the logic but cant write the program

HR>explain call by value & call by reference?

ME> (explained)

HR>explain switch-case

ME> explained

HR> can u write ur name in reverse order & check whether its palindrome or not...??

ME>tried , explained.....but can not satisfy them ,then I asked that Sir can I explain u the logic of Number palindrome....

HR> can u explain itexplain

ME> explained(I put my total effort to explain)

HR>ok.....

HR>now tell me something about TCS.

ME> told...(plz b prepared)

HR> why TCS ..??

ME> told

HR> at what position u want to see ur self after 10 years...??

ME> told

Then they asked me few more common questions.

At last they told me Thank You Saurav

I also told them Thank You Sir & left the room.

So this was my personal experience, and the next day I got the news that I have been selected, I was really very Happy then.....

if u have any query u can call me as I have given my no. above.....

TCS PAPER ON 19th JANUARY 2008

WRITTEN TEST:(online)

no sectional cutoff
no negative marking
no upper cut off(IN OUR CASE < ask them about upper cut off>)
DO NOT CLICK on EXIT button
listen to the information given to u prior to the test CAREFULLY
I.VERBAL SECTION
10 synonyms
10 antonyms

12 questions related to a passage(reading comprehension)

TIPS: go through all antonyms and synonyms asked in previous papers dont waste time for reading comprehension (my exp. says u wouldnt be able to do that!!!!)

II.QUANTITATIVE APTITUDE

TIPS:this is the most scoring section give ur best here just go through all the questions asked previously.

1) If $\log 0.317=0.3332$ and $\log 0.318=0.3364$ then find $\log 0.319$?

Sol) $\log 0.317=0.3332$ and $\log 0.318=0.3364$, then
 $\log 0.319=\log 0.318+(\log(0.318-0.317)) = 0.3396$

2) A box of 150 packets consists of 1kg packets and 2kg packets. Total weight of box is 264kg. How many 2kg packets are there ?

Sol) $x= 2$ kg Packs

$y= 1$ kg packs

$x + y = 150$ Eqn 1

$2x + y = 264$ Eqn 2

Solve the Simultaneous equation; $x = 114$

so, $y = 36$

ANS : Number of 2 kg Packs = 114.

3) My flight takes off at 2am from a place at 18N 10E and landed 10 Hrs later at a place with coordinates 36N70W. What is the local time when my plane landed?

6:00 am b) 6:40am c) 7:40 d) 7:00 e) 8:00

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Sol) The destination place is 80 degree west to the starting place. Hence the time difference between these two places is 5 hour 20 min. ($=24\text{hr} \times 80/360$).
When the flight landed, the time at the starting place is 12 noon (2 AM + 10 hours).
Hence, the time at the destination place is 12 noon - 5:20 hours = 6: 40 AM

4) A plane moves from $9^{\circ}\text{N}40^{\circ}\text{E}$ to $9^{\circ}\text{N}40^{\circ}\text{W}$. If the plane starts at 10 am and takes 8 hours to reach the destination, find the local arrival time ?

Sol) Since it is moving from east to west longitude we need to add both
ie, $40+40=80$

multiply the ans by 4

$\Rightarrow 80 \times 4 = 320\text{min}$

convert this min to hours ie, 5hrs 20min

It takes 8hrs totally . So $8-5\text{hr } 20\text{ min} = 2\text{hr } 40\text{min}$

So the ans is $10\text{am} + 2\text{hr } 30\text{ min}$

\Rightarrow ans is 12:30 it will reach

5) The size of the bucket is N kb. The bucket fills at the rate of 0.1 kb per millisecond. A programmer sends a program to receiver. There it waits for 10 milliseconds. And response will be back to programmer in 20 milliseconds. How much time the program takes to get a response back to the programmer, after it is sent? Please tell me the answer with explanation. Very urgent.

Sol) see it doesn't matter that wat the time is being taken to fill the bucket. after reaching program it waits there for 10ms and back to the programmer in 20 ms. then total time to get the response is $20\text{ms} + 10\text{ ms} = 30\text{ms}$...it's so simple....

6) A file is transferred from one location to another in 'buckets'. The size of the bucket is 10 kilobytes. Each bucket gets filled at the rate of 0.0001 kilobytes per millisecond. The transmission time from sender to receiver is 10 milliseconds per bucket. After the receipt of the bucket the receiver sends an acknowledgement that reaches sender in 100 milliseconds. Assuming no error during transmission, write a formula to calculate the time taken in seconds to successfully complete the transfer of a file of size N kilobytes. $(n/1000) \times (n/10) \times 10 + (n/100)$as i hv calculated...~~!not 100% sure

7) A fisherman's day is rated as good if he catches 9 fishes, fair if 7 fishes and bad if 5 fishes. He catches 53 fishes in a week n had all good, fair n bad days in the week. So how many good, fair n bad days did the fisher man had in the week

Ans: 4 good, 1 fair n 2 bad days

Sol) Go to river catch fish

$4 \times 9 = 36$

$7 \times 1 = 7$

$2 \times 5 = 10$

$36 + 7 + 10 = 53$...

take what is given 53

good days means --- 9 fishes so $53/9 = 4$ (remainder=17) if u assume 5 then there is no chance for bad days.

fair days means ----- 7 fishes so remaining 17 --- $17/7=1$ (remainder=10) if u assume 2 then there is no chance for bad days.

bad days means -----5 fishes so remaining 10--- $10/5=2$ days.

Ans: 4 good, 1 fair, 2bad. ===== total 7 days.

$$x+y+z=7\text{----- eq1}$$

$$9*x+7*y+5*z=53\text{-----eq2}$$

multiply eq 1 by 9,

$$9*x+9*y+9*z=35\text{-----eq3}$$

from eq2 and eq3

$$2*y+4*z=10\text{-----eq4}$$

since all x,y and z are integer i sud put a integer value of y such that z sud be integer in eq 4and ther will be two value $y=1$ or 3 then $z=2$ or 1 from eq 4

for first $y=1, z=2$ then from eq1 $x=4$

so $9*4+1*7+2*5=53$ satisfied

now for second $y=3 z=1$ then from eq1 $x=3$

so $9*3+3*7+1*5=53$ satisfied

so finally there are two solution of this question

$(x,y,z)=(4,1,2)$ and $(3,3,1)$...

8) Y catches 5 times more fishes than X. If total number of fishes caught by X and Y is 42, then number of fishes caught by X?

Sol) Let no. of fish x catches= p

no. caught by y = r

$$r=5p.$$

$$r+p=42$$

$$\text{then } p=7, r=35$$

9) Three companies are working independently and receiving the savings 20%, 30%, 40%. If the companies work combinely, what will be their net savings?

suppose total income is 100

so amount x is getting is 80

y is 70

z =60

total=210

but total money is 300

$$300-210=90$$

so they are getting 90 rs less

90 is 30% of 300 so they r getting 30% discount

10) The ratio of incomes of C and D is 3:4.the ratio of their expenditures is 4:5. Find the ratio of their savings if the savings of C is one fourths of his income?

Sol) incomes:3:4

expenditures:4:5

$$3x-4y=1/4(3x)$$

$$12x-16y=3x$$

$$9x=16y$$

$y=9x/16$
 $(3x-4(9x/16))/((4x-5(9x/16)))$
ans:12/19

11) If $G(0) = -1$ $G(1) = 1$ and $G(N) = G(N-1) - G(N-2)$ then what is the value of $G(6)$?

ans: -1
bcoz $g(2) = g(1) - g(0) = 1 + 1 = 2$
 $g(3) = 1$
 $g(4) = -1$
 $g(5) = -2$
 $g(6) = -1$

12) If A can copy 50 pages in 10 hours and A and B together can copy 70 pages in 10 hours, how much time does B takes to copy 26 pages?

Sol) A can copy 50 pages in 10 hrs.
A can copy 5 pages in 1hr.(50/10)
now A & B can copy 70 pages in 10hrs.
thus, B can copy 90 pages in 10 hrs.[eqn. is $(50+x)/2=70$, where $x \rightarrow$ no. of pages B can copy in 10 hrs.]
so, B can copy 9 pages in 1hr.
therefore, to copy 26 pages B will need almost 3hrs.
since in 3hrs B can copy 27 pages.

13) what's the answer for that :

A, B and C are 8 bit no's. They are as follows:

A -> 1 1 0 0 0 1 0 1

B -> 0 0 1 1 0 0 1 1

C -> 0 0 1 1 1 0 1 0 (- =minus, u=union)

Find $((A - C) \cup B) = ?$

To find A-C, We will find 2's compliment of C and then add it with A,

That will give us (A-C)

2's compliment of C = 1's compliment of C + 1

$= 11000101 + 1 = 11000110$

$A - C = 11000101 + 11000110$

$= 10001001$

Now $(A - C) \cup B$ is .OR. logic operation on (A-C) and B

10001001 .OR. 00110011

The answer is = 10111011 ,

Whose decimal equivalent is 187.

14) One circular array is given (means memory allocation takes place in circular fashion) dimension (9×7) and starting add. is 3000, What is the address of (2,3).....

Sol) it's a 9×7 int array so it require a 126 bytes for storing. b'z integer value need 2 bytes of memory allocation. and starting add is 3000
so starting add of 2×3 will be 3012.

15) In a two-dimensional array, X (9, 7), with each element occupying 4 bytes of memory, with the address of the first element X (1, 1) is 3000, find the address of X (8, 5).

Sol) initial $x(1,1) = 3000$ u hav to find from $x(8,1)$ so u have $x(1,1), x(1,2) \dots x(7,7)$ = so u have totally $7 * 7 = 49$ elements u need to find for $x(8,5)$? here we have 5 elements each element have 4 bytes : $(49 + 5 - 1) * 4 = 212$ ----- (-1 is to deduct the 1 element) $3000 + 212 = 3212$

16) Which of the following is power of 3 a) 2345 b) 9875 c) 6504 d) 9833

17) The size of a program is N. And the memory occupied by the program is given by $M = \text{square root of } 100N$. If the size of the program is increased by 1% then how much memory now occupied ?

Sol) $M = \sqrt{100N}$

N is increased by 1%

therefore new value of $N = N + (N/100)$

$= 101N/100$

$M = \sqrt{100 * (101N/100)}$

Hence, we get $M = \sqrt{101 * N}$

18) 1) SCOOTER ----- AUTOMOBILE--- A. PART OF

2. OXYGEN----- WATER ----- B. A Type of

3. SHOP STAFF----- FITTERS----- C. NOT A TYPE OF

4. BUG ----- REPTILE----- D. A SUPERSET OF

1) B 2) A 3) D 4) C

19) A bus started from bustand at 8.00a m and after 30 min staying at destination, it returned back to the bustand. the destination is 27 miles from the bustand. the speed of the bus 50 percent fast speed. at what time it returns to the bustand this is the step by step solution:

a bus cover 27 mile with 18 mph in $= 27/18 = 1$ hour 30 min. and it wait at stand = 30 min.

after this speed of return increase by 50% so 50% of 18 mph = 9mph

Total speed of returnig = $18 + 9 = 27$

Then in return it take $27/27 = 1$ hour

then total time in joureny = $1 + 1:30 + 00:30 = 3$ hour

so it will come at $8 + 3$ hour = 11 a.m.

So Ans = 11 a.m

20) In two dimensional array X(7,9) each element occupies 2 bytes of memory. If the address of first element X(1,1) is 1258 then what will be the address of the element X(5,8) ?

Sol) Here, the address of first element $x[1][1]$ is 1258 and also 2 byte of memory is given. now, we have to solve the address of element $x[5][8]$, therefore, $1258 + 5 * 8 * 2 = 1258 + 80 = 1338$ so the answer is 1338.

21) The temperature at Mumbai is given by the function: $-t^2/6+4t+12$ where t is the elapsed time since midnight. What is the percentage rise (or fall) in temperature between 5.00PM and 8.00PM?

22) Low temperature at the night in a city is $1/3$ more than $1/2$ high as higher temperature in a day. Sum of the low temperature and highest temp. is 100 degrees. Then what is the low temp?

Sol) Let highest temp be x
so low temp= $1/3$ of x of $1/2$ of x plus $x/2$ i.e. $x/6+x/2$
total temp= $x+x/6+x/2=100$
therefore, $x=60$
Lowest temp is 40

23) In Madras, temperature at noon varies according to $-t^2/2 + 8t + 3$, where t is elapsed time. Find how much temperature more or less in 4pm to 9pm. Ans. At 9pm 7.5 more

Sol) In equation first put $t=9$,
we will get 34.5.....(1)
now put $t=4$,
we will get 27.....(2)
so ans= $34.5-27$
 $=7.5$

24) A person had to multiply two numbers. Instead of multiplying by 35, he multiplied by 53 and the product went up by 540. What was the raised product?

a) 780 b) 1040 c) 1590 d) 1720
Sol) $x*53-x*35=540 \Rightarrow x=30$ therefore, $53*30=1590$ Ans

25) How many positive integer solutions does the equation $2x+3y = 100$ have?

a) 50 b) 33 c) 16 d) 35
Sol) There is a simple way to answer this kind of Q's given $2x+3y=100$, take l.c.m of 'x' coeff and 'y' coeff i.e. l.c.m of 2,3 ==6 then divide 100 with 6, which turns out 16 hence answer is 16 short cut formula--- constant / (l.cm of x coeff and y coeff)

26) The total expense of a boarding house are partly fixed and partly variable with the number of boarders. The charge is Rs.70 per head when there are 25 boarders and Rs.60 when there are 50 boarders. Find the charge per head when there are 100 boarders.

a) 65 b) 55 c) 50 d) 45
Sol)
Let a = fixed cost and k = variable cost and n = number of boarders
total cost when 25 boarders $c = 25*70 = 1750$ i.e. $1750 = a + 25k$
total cost when 50 boarders $c = 50*60 = 3000$ i.e. $3000 = a + 50k$
solving above 2 eqns, $3000-1750 = 25k$ i.e. $1250 = 25k$ i.e. $k = 50$
therefore, substituting this value of k in either of above 2 eqns we get
 $a = 500$ ($a = 3000-50*50 = 500$ or $a = 1750 - 25*50 = 500$)
so total cost when 100 boarders = $c = a + 100k = 500 + 100*50 = 5500$

so cost per head = $5500/100 = 55$

27) Amal bought 5 pens, 7 pencils and 4 erasers. Rajan bought 6 pens, 8 erasers and 14 pencils for an amount which was half more than what Amal had paid. What % of the total amount paid by Amal was paid for pens?

a) 37.5% b) 62.5% c) 50% d) None of these

Sol)

Let, 5 pens + 7 pencils + 4 erasers = x rupees

so 10 pens + 14 pencils + 8 erasers = $2*x$ rupees

also mentioned, 6 pens + 14 pencils + 8 erasers = $1.5*x$ rupees

so $(10-6) = 4$ pens = $(2-1.5)x$ rupees

so 4 pens = $0.5x$ rupees \Rightarrow 8 pens = x rupees

so 5 pens = $5x/8$ rupees = $5/8$ of total (note x rupees is total amt paid byamal)

i.e $5/8 = 500/8\% = 62.5\%$ is the answer

28) I lost Rs.68 in two races. My second race loss is Rs.6 more than the first race. My friend lost Rs.4 more than me in the second race. What is the amount lost by my friend in the second race?

Sol)

$x + x+6 = \text{rs } 68$

$2x + 6 = 68$

$2x = 68-6$

$2x = 62$

$x=31$

x is the amt lost in I race

$x+ 6 = 31+6=37$ is lost in second race

then my friend lost $37 + 4 = 41$ Rs

29) Ten boxes are there. Each ball weighs 100 gms. One ball is weighing 90 gms. i) If there are 3 balls ($n=3$) in each box, how many times will it take to find 90 gms ball? ii) Same question with $n=10$ iii) Same question with $n=9$

to me the chances are

when $n=3$

(i) $nC1 = 3C1 = 3$ for 10 boxes .. $10*3=30$

(ii) $10C1=10$ for 10 boxes $10*10=100$

(iii) $9C1=9$ for 10 boxes $10*9=90$

30) $(1-1/6) (1-1/7).... (1- (1/ (n+4))) (1-(1/ (n+5))) = ?$

leaving the first numerator and last denominator, all the numerator and denominator will cancelled out one another. Ans. $5/(n+5)$

31) A face of the clock is divided into three parts. First part hours total is equal to the sum of the second and third part. What is the total of hours in the bigger part?

Sol) the clock normally has 12 hr

three parts x,y,z

$x+y+z=12$

$$x=y+z$$

$$2x=12$$

$$x=6$$

so the largest part is 6 hrs

32) With 4/5 full tank vehicle travels 12 miles, with 1/3 full tank how much distance travels

Sol) 4/5 full tank= 12 mile

$$1 \text{ full tank} = 12 / (4/5)$$

$$1/3 \text{ full tank} = 12 / (4/5) * (1/3) = 5 \text{ miles}$$

33) wind blows 160 miles in 330min. for 80 miles how much time required

Sol) 160 miles= 330 min

$$1 \text{ mile} = 330 / 160$$

$$80 \text{ miles} = (330 * 80) / 160 = 165 \text{ min.}$$

34) A person was fined for exceeding the speed limit by 10mph. another person was also fined for exceeding the same speed limit by twice the same if the second person was travelling at a speed of 35 mph. find the speed limit

$$\text{Sol) } (x+10) = (x+35) / 2$$

solving the eqn we get $x=15$

35) A sales person multiplied a number and get the answer is 3 instead of that number divided by 3. what is the answer he actually has to get.

Sol) Assume 1

$$1 * 3 = 3$$

$$1 * 1/3 = 1/3$$

so he has to got 1/3

this is the exact answer

36) A person who decided to go weekend trip should not exceed 8 hours driving in a day average speed of forward journey is 40 mph due to traffic in Sundays the return journey average speed is 30 mph. How far he can select a picnic spot.

37) Low temperature at the night in a city is 1/3 more than 1/2 hinge as higher temperature in a day. Sum of the low temp and high temp is 100 c. then what is the low temp.

ans is 40 c.

Sol) let x be the highest temp. then,

$$x + x/2 + x/6 = 100.$$

therefore, $x=60$ which is the highest temp

and $100-x=40$ which is the lowest temp.

38) car is filled with four and half gallons of oil for full round trip. Fuel is taken 1/4 gallons more times in going than coming. What is the fuel consumed in coming up.

Sol) let feul consumed in coming up is x. thus equation is: $x + 1.25x = 4.5$ ans: 2gallons

39) A work is done by the people in 24 min. One of them can do this work alone in 40 min. How much time required to do the same work for the second person

Sol) Two people work together in 24 mins.

So, their one day work is

$$(1/A)+(1/B)=(1/24)$$

One man can complete the work in 40mins

$$\text{one man's one day work } (1/B) = (1/40)$$

Now,

$$(1/A)=(1/24)-(1/40)$$

$$(1/A)=(1/60)$$

So, A can complete the work in 60 mins.

40) In a company 30% are supervisors and 40% employees are male if 60% of supervisors are male. What is the probability? That a randomly chosen employee is a male or female?

Sol) 40% employees are male if 60% of supervisors are male so for 100% is 26.4%so the probability is 0.264

41) In 80 coins one coin is counterfeit what is minimum number of weighing to find out counterfeit coin

Sol) the minimum number of wieghtings needed is just 5.as shown below

- (1) 80->30-30
- (2) 15-15
- (3) 7-7
- (4) 3-3
- (5) 1-1

42) 2 oranges, 3 bananas and 4 apples cost Rs.15. 3 oranges, 2 bananas, and 1 apple costs Rs 10. What is the cost of 3 oranges, 3 bananas and 3 apples?

$$2x+3y+4z=15$$

$$3x+2y+z=10 \text{ adding}$$

$$5x+5y+5z=25$$

$x+y+z=5$ that is for 1 orange, 1 bannana and 1 apple requires 5Rs.

so for 3 orange, 3 bannana and 3 apple requires 15Rs.

$$\text{i.e. } 3x+3y+3z=15$$

43) In 8*8 chess board what is the total number of squares refers

Sol) odel discovered that there are 204 squares on the board We found that you would add the different squares - 1 + 4 + 9 + 16+ 25 + 36 + 49 + 64.

Also in 3*3 tic tac toe board what is the total no of squares

Ans 14 ie 9+4(bigger ones)+1 (biggest one)

If you ger 100*100 board just use the formula

the formula for the sum of the first n perfect squares is

$$n \times (n + 1) \times (2n + 1)$$

6

if in this formula if you put $n=8$ you get your answer 204

44) One fast typist type some matter in 2hr and another slow typist type the same matter in 3hr. If both do combinely in how much time they will finish.

Sol) Faster one can do $1/2$ of work in one hourslower one can do $1/3$ of work in one hourboth they do $(1/2+1/3=5/6)$ th work in one hour.so work will b finished in $6/5=1.2$ hour i e 1 hour 12 min.

45) If Rs20/- is available to pay for typing a research report & typist A produces 42 pages and typist B produces 28 pages. How much should typist A receive?

Here is the answer Find of 42 % of 20 rs with respect to 70 (i.e $28 + 42$) $\implies (42 * 20) / 70 \implies 12$ Rs

46) An officer kept files on his table at various times in the order 1,2,3,4,5,6. Typist can take file from top whenever she has time and type it.What order she cann□t type.?

47) In some game 139 members have participated every time one fellow will get bye what is the number of matches to choose the champion to be held?

the answer is 138 matches

Sol) since one player gets a bye in each round,he will reach the finals of the tournament without playing a match. <http://www.ChetanaS.org>

therefore 137 matches should be played to detemine the second finalist from the remaining 138 players(excluding the 1st player)

therefore to determine the winner 138 matches shd be played.

48) One rectangular plate with length 8inches, breadth 11 inches and 2 inches thickness is there. What is the length of the circular rod with diameter 8 inches and equal to volume of rectangular plate?

Sol) Vol. of rect. plate= $8*11*2=176$

area of rod= $(22/7)*(8/2)*(8/2)=(352/7)$

vol. of rod=area*length=vol. of plate

so length of rod= vol of plate/area= $176/(352/7)=3.5$

49) One tank will fill in 6 minutes at the rate of 3cu ft /min, length of tank is 4 ft and the width is $1/2$ of length, what is the depth of the tank?

3 ft 7.5 inches

50) A man has to get air-mail. He starts to go to airport on his motorbike. Plane comes early and the mail is sent by a horse-cart. The man meets the cart in the middle after half an hour. He takes the mail and returns back, by doing so, he saves twenty minutes. How early did the plane arrive?

ans:10min:::assume he started at 1:00,so at 1:30 he met cart. He returned home at 2:00.so it took him 1 hour for the total jorney.by doing this he saved 20 min.so the actual time if the plane is not late is 1 hour and 20 min.so the actual time of plane is at 1:40.The cart travelled a time of 10 min before it met him.so the plane is 10 min early.

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51) Ram singh goes to his office in the city every day from his suburban house. His driver Mangaram drops him at the railway station in the morning and picks him up in the evening. Every evening Ram singh reaches the station at 5 o'clock. Mangaram also reaches at the same time. One day Ram singh started early from his office and came to the station at 4 o'clock. Not wanting to wait for the car he starts walking home. Mangaram starts at normal time, picks him up on the way and takes him back home, half an hour early. How much time did Ram singh walked?

52) 2 trees are there. One grows at $\frac{3}{5}$ of the other. In 4 years total growth of the trees is 8 ft. what growth will smaller tree have in 2 years.

Sol) THE BIG TREE GROWS 8FT IN 4 YEARS=>THE BIG TREE GROWS 4FT IN 2 YEARS.WHEN WE DIVIDE 4FT/5= $.8*3=>2.4$

ans: 1.5 mt $4(x+(\frac{3}{5})x)=88x/5=2x=5/4$ after 2 years $x=(\frac{3}{5})*(\frac{5}{4})*2 =1.5$

53) There is a six digit code. Its first two digits, multiplied by 3 gives all ones. And the next two digits multiplied by 6 give all twos. Remaining two digits multiplied by 9 gives all threes. Then what is the code?

sol) Assume the digit xx xx xx (six digits)

First Two digit $xx * 3=111$

$xx=111/3=37$

(first two digits of 1 is not divisible by 3 so we can use 111)

Second Two digit $xx*6=222$

$xx=222/6=37$

(first two digits of 2 is not divisible by 6 so we can use 222)

Thrid Two digit $xx*9=333$

$xx=333/9=37$

(first two digits of 3 is not divisible by 9 so we can use 333)

54) There are 4 balls and 4 boxes of colours yellow, pink, red and green. Red ball is in a box whose colour is same as that of the ball in a yellow box. Red box has green ball. In which box you find the yellow ball?

ans is green...

Sol) Yellow box can have either of pink/yellow balls.

if we put a yellow ball in "yellow" box then it wud imply that "yellow" is also the colour of the box which has the red ball(becoz acordin 2 d question,d box of the red ball n the ball in the yellow box have same colour)

thus this possibility is ruled out...

therefore the ball in yellow box must be pink,hence the colour of box containin red ball is also pink....

=>the box colour left out is "green" ,,which is alloted to the only box left,,the one which has yellow ball..

55) A bag contains 20 yellow balls, 10 green balls, 5 white balls, 8 black balls, and 1 red ball. How many minimum balls one should pick out so that to make sure the he gets at least 2 balls of same color.

Ans:he should pick 6 ball totally.

Sol) Suppose he picks 5 balls of all different colours then when he picks up the sixth one, it must match any one of the previously drawn ball colour. thus he must pick 6 balls

56) What is the number of zeros at the end of the product of the numbers from 1 to 100

Sol) For every 5 in unit palce one zero is added Ch eta naS

so between 1 to 100 there are 10 nos like 5,15,25,...,95 which has 5 in unit place.

Similarly for every no divisible by 10 one zero is added in the answer so between 1 to 100 11 zeros are added

for 25,50,75 3 extra zeros are added so total no of zeros are $10+11+3=24$

57) 10 Digit number has its first digit equals to the numbers of 1's, second digit equals to the numbers of 2's, 3rd digit equals to the numbers of 3's .4th equals number of 4's..till 9th digit equals to the numbers of 9's and 10th digit equals to the number of 0's. what is the number?.(6marks)

ans:2100010006

2---shows that two 1's in the ans

1---shows that one 2 in ans

0---shows no 3 in the ans

0---shows no 4 in the ans

0---shows no 5 in the ans

1---shows one 6 in the ans

0---shows no 7 in the ans

0---shows no 8 in the ans

0---shows no 9 in the ans

6---shows six 0's in the ans

58) There are two numbers in the ratio 8:9. if the smaller of the two numbers is increased by 12 and the larger number is reduced by 19 thee the ratio of the two numbers is 5:9.

Find the larger number?

sol) $8x:9x$ initialy

$$8x+12 : 9x - 19 = 5x:9x$$

$$8x+12 = 5x$$

$$\rightarrow x = 4$$

$$9x = 36 \text{ not sure about the answer ..}$$

59) There are three different boxes A, B and C. Difference between weights of A and B is 3 kgs. And between B and C is 5 kgs. Then what is the maximum sum of the differences of all possible combinations when two boxes are taken each time

$$A-B = 3$$

$$B-c = 5$$

$$a-c = 8$$

$$\text{so sum of diff} = 8+3+5 = 16 \text{ kgs}$$

60) A and B are shooters and having their exam. A and B fall short of 10 and 2 shots respectively to the qualifying mark. If each of them fired atleast one shot and even by

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adding their total score together, they fall short of the qualifying mark, what is the qualifying mark?

ans is 11

coz each had atleast 1 shot done so $10 + 1 = 11$

n $9 + 2 = 11$

so d ans is 11

61) A, B, C, and D tells the following times by looking at their watches. A tells it is 3 to 12. B tells it is 3 past 12. C tells it is 12:2. D tells it is half a dozen too soon to 12. No two watches show the same time. The difference between the watches is 2,3,4,5 respectively. Whose watch shows maximum time?

sol) A shows 11:57, B shows 12:03, C shows 12:02, and D shows 11:06 therefore, max time is for B

62) Falling height is proportional to square of the time. One object falls 64cm in 2sec than in 6sec from how much height the object will fall.

Sol) The falling height is proportional to the square of the time.

Now, the falling height is 64cm at 2sec

so, the proportional constant is $=64/(2*2)=16$;

so, at 6sec the object fall maximum $(16*6*6)cm=576cm$;

Now, the object may be situated at any where.

if it is >576 only that time the object falling 576cm within 6sec .Otherwise if it is situated <576 then it fall only that height at 6sec.

63) Gavaskar average in first 50 innings was 50. After the 51st innings his average was 51 how many runs he made in the 51st innings

Ans) first 50 ings.- run = $50*50=2500$

51st ings.- avg 51. so total run = $51*51=2601$.

so run scored in that ings= $2601-2500=101$ runs.

64) Anand finishes a work in 7 days, Bittu finishes the same job in 8 days and Chandu in 6 days. They take turns to finish the work. Anand on the first day, Bittu on the second and Chandu on the third day and then Anand again and so on. On which day will the work get over?

a) 3rd b) 6th c) 9th d) 7th

Ans is d) 7th day

Sol) In d 1st day Anand does $1/7$ th of total work
similarly,

Bithu does $1/8$ th work in d 2nd day

hence at d end of 3 days, work done = $1/7+1/8+1/6=73/168$

remaining work = $(168-73)/168 = 95/168$

again after 6 days of work, remaining work is = $(95-73)/168 = 22/168$ and hence Anand completes the work on 7th day.(hope u understood.)

65) A man, a women and a child can do a piece of work in 6 days,man can do it in 14 days, women can do it 16 days, and in how many days child can do the same work?

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The child does it in 24 days

66) A: 1 1 0 1 1 0 1 1

B: 0 1 1 1 1 0 1 0

C: 0 1 1 0 1 1 0 1

Find $((A-B) \cup C) \cap A$ ==?

Hint : 109

A-B is $\{A\} - \{A \cap B\}$

A: 1 1 0 1 1 0 1 1

B: 0 1 1 1 1 0 1 0

by binary sub. $a-b = 01100001$ (1-0=1, 1-1=0, 0-0=0, n for the 1st 3 digits 110-011=011)

now $(a-b) \cup C = 01100001$

or 01101101

gives 1101101... convert to decimal equals 10

NOTE: some of the ans given here may be wrong .solve urself and discuss with ur friends. this is the best way for preparing the format would be same the only difference is of data .so dont mug up the ques .see how to solve them. apart from these questions solve some problems of VENN diagram(these will be easy u can solve them) u can solve all the problems easily if u have gone through all these problems the only constraint is TIME.

III. CRITICAL REASONING

there would be 3 passages and 4 questions each(total 12 quest)

NOTE: go through GRE BARRON'S 12th edition i m giving some important passages as seen in fresherworld :-

Model test 1: Section5 - qns 1-4 (motorist), qns 13-16 (red and brown)

Section6 - qns 1-4 (conservative,democratic), qns 8-11 (latin, sanskrit), qns 12-18 (joe,larry,ned), qns 19-22 (a causes b)

Model test 2: Section1 - qns 19-22 (wallachia and rumelia) ---i got this qn, but the names were changed as london and paris , and a,b,c etc were changed as french, italian etc.

Section6 - qns 8-12 (ashland , liverpool), qns 13-16 (spelunker) ---i got this qn, qns 17-22 (pesth) ---i got this one too

Model test 3: Section6 - qns 1-4 (all Gs are Hs)

Model test 4: Section5 - qns 8-11 (horizontal row), qns 19-22 (a,b,c cause d)

Section6 - qns 8-12 (spanish, italian), qns 13-16 (all As, Bs), qns 17-22 (progressive federal party)

Model test 5: Section3 - qns8-11 (museum), qns 19-22 (A is the father)

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Section7- qns 1-5 (prahtu, brahtu), qns 21-25 (scurvy)

This passages are more than enough to clear critical reasoning,with out GRE barrons 12th edition it is difficult to clear the written test .

If u cannot understand them just MUG UP the ans.

IMPORTANT :

go through GRE BARRON 12th EDITION MODEL TEST PAPER(strictly 12th edition if u dont have this ask me i have download this online)
if u donot have time go through all the placement papers (that would be sufficient)

TCS PAPER ON 20th JANUARY 2008

hi friends, i am anujgupta EC(3rd year) . there has been written test on 19th jan 2008 in galgotia campus for TCS. those who cleared it appear in interview on next day.

IMPORTANT:

prepare ur resume with utmost care
dress well(IF POSSIBLE BE IN COMPLETE FORMAL)
be VERY HONEST while writing resume(dont BOAST)
be HONEST during interviews(dont try to BLUFF with them)
always GREET them while entering room
Keep smiling
Be Confident and have good communication skill
be prepare for ANY CONDITION
dont look confused
be relaxed
I.TECHNICAL INTERVIEW:(each pannel consists of two interviewrs)

tell me about urself

sir my name is....,THEY INTERRUPTED ME AND ASK SOMETHING NOT WRITTEN IN RESUME then i told my strengths

what r ur hobbies

sir my hobbies r playing carom,playing cards and chatting with friends
chatting with friends??so u have girlfriends for chatting?

no sir i have no girlfriends(he is just trying to make atmosphere cool!!!!)

kabhi aisa hua hai ki kisi ladke ne tumhe ladki banke fool banaya ho(he was just kidding)

no sir

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are u interested in solving puzzles
no sir these are not my hobbies but i try to solve them whenever needed
THEN THEY ASK ME MANY PUZZLES in which i solve some of them and for rest i
try my level best
have u prepared for entrance exam
yes sir i have prepared for entrance
THEN THEY ASK ME MANY QUESTIONS ON PHYSICS
(I guess they are checking our approach to problem)
do u know C
yes sir i know C but not confident in linked list
THEY ASK ME SOME QUESTIONS ON C(mainly programs)
do u studied data structure as part of ur course
yes sir it was in my 4th sem
THEY ASK ME ABOUT SORTING(bubble sort,quick sort)
what r ur favourite subjects
solid state devices & circuits, electromagnetic field theory, microprocessor
tell me some circuits u have studied in electronics
i explained OTA
THEN THEY ASK ME ABOUT OTA
draw the pin diagram of 8086 microprocessor
sir i dont know the exact pin configuration of 8086
ok then tell how many pins r there and what r there functions
i try to explain
ok anuj, what is ur career goal
sir i want to be a part of software organisation
u dont know much about programming languages then still hope to enter software field??
at this question i give a smile to both the interviewrs(i know i cant answer this
question!!!!)
do u have any question
no sir i dont have any question
no question!! ok anuj ,u may go now
Thanku sir
well friends, these were the questions asked from me . apart from these questions, some
of important questions asked from my classmates(EC) are:

C programs:- prime no, swapping of two nos(without using third no) [LOGIC a=a+b;
b=a-b; a=a-b;], fibonacci series, factorial , generation of a particular pattern [e.g. o o o o
o

o o o o

o o o

o o

o], bubble sort, multiplication of two matrices etc.

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some important definitions:- array,data structure, transistor etc.

PLEASE EC students prepare the fundamentals of electronics atleast e.g. diode, transistor, four terminal devices, forbidden energy gap etc.

MICROPROCESSOR: pin configuration of 8085,8086;flags in 8085,8086;registers in 8085,8086;RISC(reduced instruction set computer),CISC(complex instruction set computer) etc,

even some of my friends were asked about C++(they mentioned it in their resume)

some were asked mathematics(FOURIER SERIES, its application etc.)

and some were put ques on antennas, communication.

so friends apart from ur knowledge and practice, another more important factor is ur

LUCK (so pray to GOD for this!!!!)

IF U GO THROUGH TECHNICAL U R MORE LIKELY TO GET SELECTED IN TCS

II.MR INTERVIEW:

in this , u will be asked those questions u were unable to answer in ur tech. so dont be afraid be honest. they basically trying to judge ur honesty & confidence.

DONT TRY TO BE OVERSMART u cant be more intelligent than them have calm & PATIENCE.

III.HR INTERVIEW:

in this round u will get the same questions as have been asked till now e.g.

tell me abt urself

ur family background

who is the chairman of TCS

who is CEO of TCS

position of TCS

why only tcs?

what qualities u have which others dont have??

why tcs should hire u?

do u have problem signing bond with us??

can u eat idli sambhar instead of chappatis

would u like to ask any question?

sir i like to know about training session and how my job profile will be decided?

BE ATTENTIVE, LISTEN TO THEM CAREFULLY,DONT INTERRUPT THEM

MEANWHILE

for all these questions go through the web site of tcs and also the PPT they will show u.

NOTE:-

they r judging ur confidence,fluency,communication skill

Have patience and be calm and composed

show ur positive attitude

they r also checking ur creativity,innovation

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have good body language
good eye contact
gud luck friends

TCS PAPER ON 21ST FEBRUARY AT MALLABHUM INSTITUTE OF TECHNOLOGY, BISHNUPUR.

Hello friends. I am Abhishek Naskar from ECE department of Mallabhum Institute of Technology, Bishnupur, going to share my journey through the selection procedure of the no. 1 IT industry in Asia—TCS.....

Firstly you must know that the aptitude test of TCS, believe me, is very easy. But you should follow the correct procedure. It was an online aptitude test in my college. Please don't be afraid.

Aptitude Test [21st February] : There are three sections of aptitude test. Each question has 5 options. You have to tick the correct one. But there are no sectional cutoff and negative marking.....

1. Verbal: [32 Questions, 20 Mins]

It consists of 10 synonyms, 10 antonyms and 2 lengthy paragraphs. Go through the wordlist of GRE BARRON'S. There are 333 high frequency words and 750 words in reviewing vocabulary wordlist. It is very difficult to remember all those words but try to remember in such a way so that you can recall after seeing the given options.

2. Quantitative: [38 Questions, 40 Mins]

It is very easy part. The problems are about ages, time & dist., time & work, numbers, average, temperature, data interpretation (R.S.Agarwal), ratio, probability etc. You can find various set of quantitative test papers in freshersworld's website.

3. Critical Reasoning: [12 Questions, 30Mins]

Apparently you can realize that it is very touch section. But the problems in this section come from the Logical Reasoning chapter of GRE BARRON'S 12th edition. You must solve also the logical reasoning parts from 5 test papers in that book. Practice this reasoning part in such a way you can solve the problem just after seeing it.

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There are 3 passages each of which contains 4 questions. Sometimes you can see that the passages are common. There were 5/6 questions in the book. But you are given only 4 questions. Be careful when answering.....

The most frequently logical reasoning questions are 1. Baseball players(G,H,J,K,L,M,N,O), 2. Wallachia & Rumelia, 3. Byram and Adoniram, 4. Ashland, 5. Mr. Pesth, 6. On Sunday December 23 four ships....., 7. Airdale, Boxer, Collie, Doberman, 8. All G's are H's, 9. Hotel Miramar, 10. Homer Museum, 11. Prahtu & Brihtu marriage, 12. Motorist, 13. Project consolidated..... 14. In country X..... 15. Joe, Lary, Ned, Mary.....

Technical + HR [22nd February]: I am going to give you the most valuable, interesting and precious experience of my life.....my first interview. There were 5 panels. Mine was panel no.3. I thought it would be for 45 mins to 1 hr. But, trust me, it was just for 20 mins. I faced with only one interviewer.

Me: (knocking the door) May I come in sir?

Interviewer: yes.

Me: thank you sir.

Interviewer: be seated.

Me: thank you sir.

Interviewer: introduce yourself.

Me: gave my introduction.

Interviewer: so you are from electronics department. Do you know what is FET?

Me: answered.

Interviewer: what is the practical application of FET?

Me: answered.

Interviewer: do you know microprocessor?

Me: It was in my sem. But I can't answer very well from this subject.

Interviewer: give your file.

Me: yes sir.

Interviewer: well, do you know computer?

Me: yes sir. I know c language.

Interviewer: write a program in c which can reverse a string.

Me: (it was common) sir, done.

Interviewer: there is a problem. Can u find it out?

Me: (checking) sir I think I am write.

Interviewer: ok I'll explain you later. Now write down a program to find out the summation of digits up to 100 which are divisible by 4.

Me: done.

Interviewer: can we get the desired output by this program.

Me: yes sir.

Interviewer: Being a electronics student you don't know microprocessor?

Me: sir, I know this subject. But I've not prepared this very well for the campus.

Interviewer: do you digital electronics?

Me: yes sir.

Interviewer: write down the truth table of XOR gate.

I've done that.

Interviewer: are you correct?

Me: yes sir.

Interviewer: draw its logic diagram.

It was very easy.

Interviewer: I don't think you are right.....well.....draw the truth table of OR gate.

Me: answered.

Interviewer: you have done wrong.

Me: no sir, I am sure that I am right.

Interviewer: are you confident?

Me: very much sir.....then I explained totally both the gates.....

Interviewer: ok you may go now.

Me: thank you sir.

The main think they want to see is your confidence and eagerness to know something. You must be there with your bright face. If you don't know something tell the truth. Be honest, polite and humble. And please never tell a lie.

TCS PAPER ON 22nd FEBRUARY AT COCHIN

Hi, Friends. I'm a student of sixth semester, Mechanical Engineering Branch, Cochin University of Science and Technology. TCS visited our campus on 22nd February, 2008. I write this paper, as I feel there are many who are aspiring a job at TCS and they would definitely benefit from this article. From around the 700(approx.) students who registered the TCS, 381 cleared the aptitude and ultimately, 212 made it to TCS.

The first and foremost instructions I would like to give to aspirants are:

- 1) If you aspire for TCS, then be serious about it. Don't take it lightly.
- 2) Be sure to prepare for vocabulary section much before (Synonyms and Antonyms from GRE Barrons 12th edition).
- 3) Study critical reasoning only from Model Test Papers at the end of GRE 12th edition of Barrons.
- 4) Study C,C++,Data Structures well for CS/IT students and other branches, plz plz plz..STUDY C WELL. BE THOROUGH WITH C PROGRAMMING. I repeat it again and again. There's a reason. And also study some other concepts like Intranet, Algorithms, Flowcharts, LAN etc. Have only a basic knowledge.

The recruitment process consisted of three sections:

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- a) Online Aptitude Test (Easy to Crack!)
- b) Technical Interview (Be very Careful)
- c) HR Round.(A cool round)

ONLINE APTITUDE TEST:

There is no negative marking. So attempt all questions.

It consists of the following three sections:

- a) Verbal Section (32 Questions, Duration of 30minutes)
- b) Quantitative Aptitude (38 Questions, Duration of 40minutes)
- c) Critical Reasoning (12 Questions, Duration of 20minutes)

Verbal Section:

10 Antonyms, 10 Synonyms

It was simple, if u have atleast gone once through the entire 333 High Frequency list of words from Barrons GRE book.

12 Questions from Reading Comprehension. Anyone with Basic English knowledge can do it.

Quantitative Aptitude:

Almost all questions from the previous question papers available at freshersworld.com. Go through it, and ponder over the questions and answers again and again. Concentrate well on the Venn diagrams, and other graphical test. I'm not mentioning the Qs as there is no point in including the same questions again and again in every sample question paper

Critical Reasoning:

Entirely from Barron's 12th edition 5 Model Test Papers at the end. Those who don't have barrons, you can obtain it from the Internet and get the book in a pdf format. The questions asked are from these...

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Model test 1: Section5 - qns 1-4 (motorist), qns 13-16 (red and brown)

Section6 - qns 1-4 (conservative,democratic), qns 8-11 (latin, sanskrit), qns 12-18 (joe,larry,ned), qns 19-22 (a causes b)

Model test 2: Section1 - qns 19-22 (wallachia and rumelia) ---

Section6 - qns 8-12 (ashland , liverpool), qns 13-16 (spelunker) ---

qns 17-22 (pesth) ---i got this one too

Model test 3: Section6 - qns 1-4 (all Gs are Hs)

Model test 4: Section5 - qns 8-11 (horizontal row), qns 19-22 (a,b,c cause d)

Section6 - qns 8-12 (spanish, italian), qns 13-16 (all As, Bs), qns 17-22 (progressive federal party)

Model test 5: Section3 - qns8-11 (museum), qns 19-22 (A is the father)

Section7- qns 1-5 (prahtu, brahtu), qns 21-25 (scurvy)

I got questions from Prahtu and Brahtu marriages, Cricket and Tennis players. Only the names would be changed. Questions are the same, just mug up the questions with answers if u don't understand or don't have enough time to study the critical reasoning.

The points to be noted during the online test are...

- 1) Don't carry any rough sheets with you as they provide it.
- 2) Don't press the EXIT button on the screen of computer. If it happens, ur TCS dream not possible for another 6 months.
- 3) Keep a watch on the time ticking at the upper right corner of your screen.

TECHNICAL ROUND:

For technical round, get well dressed in formal outfits and shoes is compulsory for boys. Bring a file with ur certificates and Resumes. Don't bluff in the resumes, as they check your resume and ask questions related to it.

INT: Get in.

ME: Good Morning, Ma'am, Good Morning, Sir. (There was a lady and a man. Both were young around 30yrs old).

INT: Good Morning. Take ur seat. (Don't take seat unless asked to)

INT: So Ajay Menon, u r from Mechanical Engineering, right?

ME: Yes, Ma'am. (Ma'am was the only one asking me the questions)

INT: Give me an introduction about yourself.

ME: I'm Ajay Menon. I'm studying in sixth semester, Mechanical Engg, at SOE, here in the Main Campus. I stay with my parents around a place called Kakkanad, around 9 kms from here. My hobbies include playing cricket, music, surfing the net etc. My strengths are determination, trustworthiness and my endurance.

INT: Ok, Ajay. As you are from Mechanical, do you have any knowledge of C?

ME: Ma'am, I have a basic knowledge. Due to the heavy portions of my core subjects I was unable to concentrate on computer related subjects.

INT: Ok, what do you know about functions?

ME: C programs itself are made of functions. Every program begin with an execution of function called main. Its involves breaking the program into different modules.

INT: Does a function return values?

ME: It depends upon the feasibility of the function whether it returns a value. A function may or may not return a value.

INT: Are u comfortable with flow charts?

ME: I'm not, but still I'll definitely try.

INT: (Hands me a paper with a flow chart) Can you give the output of this flow chart?

ME: (It was a difficult one. It took me around 5 minutes to reach to an output.) Ma'am I'm not sure, but I do think this is the output.

INT: (Hands me another paper with an if-else program) Can you give the final amount with an overdue amount of 6000 Rs. (Some program involving discount and customer amount)

ME: I tried, and calculated the answer, going thru different nested if else statements.

INT: Tell me about pointers (Really tough. I hardly knew it)

ME: I think it's a command to point to the address of a variable.

INT: Can you explain it in detail?

ME: (After thinking a lot) I'm sorry. I cant recollect.

INT: Can you tell me what is Intranet?

ME: I think its something which is connection b/w large university computers etc.

INT: (Man interrupted) Then what is LAN?

ME: LAN is Local Area Network.

INT: Then what is the difference b/w LAN and Intranet:

ME: I hope the number of computers connected to form a network form the basic difference.

INT: Can you tell me about your projects?

ME: I explained.

INT: Ok, you can go.

ME: Thank you, Ma'am. Thank you, Sir.

From the morning 9am, I waited till 7pm evening. Ultimately I was rejected only due to the lack of computer knowledge. It depends upon the panel, that whether they ask us our core subjects or computer technicals. Many of my friends were asked questions only from purely core subjects and now they are at TCS. So my humble request, don't take a chance. Just make yourself clear with the basic computer topics like Algorithms & Flowcharts, Intranet, Lan, Wan, Man etc. and most important tool...C language.

HR ROUND:

This I heard was the simplest of all the rounds.

Be confident. Reply answers with cool and maintain your eye contact with them.

The questions are:

Ur introduction, hobbies, projects, readiness to work abroad, strengths, weaknesses, topics on ur hobbies, 5 years from now what u wud be, why TCS, why IT, why shift from core to IT, etc.

Try to impress the panel. You should leave an impression on their minds.

That's all. Work hard and be prepared for the Tech and HR rounds. Students always make mistake of being prepared only with the aptitude and core subjects. But be prepared with the computer fundamentals along with C. The people who cleared the round describe their success path, but it's the people who were rejected can help you learn from their mistakes. So, get placed in TCS and fulfill ur dream. Good Luck to all the aspirants.

And ultimately, those who get rejected, don't worry. TCS is not the ultimate company. Something better must be waiting for you.

ALL THAT HAPPENS, HAPPENS FOR THE BEST.

TCS PAPER ON 23rd JANUARY 2008

THERE WERE 3 SECTIONS.....

1. Verbal((Synonym 10, Antonym 10, Reading Comprehension)

Antonym -(5 Exercises 4m BARRONS 12TH EDITION)

Synonym -(Prepare all World list tests U Can leave Mix Test of Synonym & Antonym)

2. Quanta-All Qs were 4m previous papers.....so solve last yr papers.....

3. Logical Reasoning-There were 3 cases each having 4-5 qs.....all 4m barrons 12th edition u can leave cases having 3 or less than 3 qs.....do prepare all cases having 4 or more than 4 qs 4m analytic test of 5 model test papers.

Some qs which I remebr are.....

1) It was a Number series

4, -5, 11, -14, 22, ---

2) It was a word SENSATIONAL if you interchange 1st word with 2nd ,3rd with 4th n so on whta will be the 10th word from right..?

3) Find the singularity matrix from a given set of matrices(Hint $\det=0$).

4) Match the following:

a. Brake CAR -> a type of

b mother women -> a superset of

c. Ceagle DOG -> A part of

d. mushroom vegetable -> Not a

5) (a) $2+6i$ (b) $1+i$ (c) $6-2i$ (d) $1-7i$.Find which of the above is orthogonal.

Ans a&c.(. product is 0)

6) which is power of 4 ?

a. 2052 b. c.4096 d. e.

ans 4096

7) Find the value of the 678 to the base 7.

8) one question like $g(0)=1$, $g(1)=2$ $g(n)=g(n-1)-g(n-2)$ find $g(6)$?

9) A power unit is there by the bank of the river of 900 meters width. A cable is made from power unit to power plant opposite to that of the river and 3000mts away from the

power unit. The cost of the cable below water is Rs.4/- per meter and cost of cable on the bank is Rs.5/-per meter. Find the total of laying the cable ?

(Hint- $900*4+(3000-900)*5$).

10) A Flight takes off at 2 A.M from 32 N 40 E and travels for 9 hours to reach the destination which is at 12 N 50 W. Find the local time of destination when the flight reaches there?

(soln : 1 degree =4 minutes.. Neglect the latitudes .. $40 - (-50) = 90$ degree = $90 * 4 = 360$ mins =6 hrs.....time of reaching = 2AM + (9 - 6){substraction as from east to west}hrs =5 A.M ans)

11) One curve problem was given ..

x	y
0.99	0.001
9	0.9
99	1.998
999	3

If $y = f(x)$ find $f(x)$?

Ans $\log x$

12) . A 2D array is declared as $A[9,7]$ and each element requires 2 byte. If $A[1,1]$ is stored in 3000. Find the memory of $A[8,5]$?

(Hint- $3000+(7*7*2)+(4*2)$)

13) A can copy 50 papers in 10 hours while both A & B can copy 70 papers in 10 hours. Then for how many hours required for B to copy 26 papers?

Ans = 13

14) $A = 010100001$

$B = 000110100$

$C = 011001110$

what is $(A \cup B) \cup C$?

ans : = 255

15) What is the largest 6 bit prime number ?

Ans := 61

16). In Madras , temperature at noon varies according to $-t^2/2 + 8t + 3$, where t is elapsed time. Find how much temperature more or less in 4pm to 9pm.

(Hint-put 4 & 9 in eq n sub)

17). Find the result of the following expression if, M denotes modulus operation, R denotes round-off, T denotes truncation: $M(373,5)+R(3.4)+T(7.7)+R(5.8)$

(Hint- $19(3+3+7+6)$)

18). The size of the bucket is N kb. The bucket fills at the rate of 0.1 kb per millisecond. A programmer sends a program to receiver. There it waits for 10 milliseconds. And response will be back to programmer in 20 milliseconds. How much time the program takes to get a response back to the programmer, after it is sent?

Ans 30 min($10+20$)

19). $(\text{Momentum} * \text{Velocity}) / (\text{Acceleration} * \text{distance})$ find units

Ans mass

20) If VXUPLVH is written as SURMISE, what is SHDVD?

21) Select the odd one out a. SQL b. DB2 c. SYBASE d. HTTP e .Ingress

ans : = HTTP

22). Select the odd one out. a. Java b. Lisp c. Smalltalk d. Eiffel.

Ans. b

23). Select the odd one out a. Oracle b. Linux c. Ingress d. DB2

Ans. d

24). Select the odd one out a. WAP b. HTTP c. BAAN d. ARP

Ans. c

25). The size of a program is N. And the memory occupied by the program is given by $M = \sqrt{100N}$. If the size of the program is increased by 1% then how much memory now occupied?

Ans. 0.5%

26). Number of faces, vertices and edges of a cube

Ans. 6, 12, 8

27). Find the value of $@@+25 - ++@16$, where @ denotes "square" and + denotes "square root".

Ans. 621

28)Some qs were of pie chart & bar graph so bettr 2 prepr it 4m RS Agrawal.

There was no -ve marking & sectional cutoff.....but there may b uppr cutt off they won't open the cutoff ...be careful if u have done sufficient qs....then leave some qs.....never try 2 attamp whole paper correctly.

INTERVIEW

There were 3 rounds.....

Technical ,HR & MR.....but due 2 shortage of time they concluded d result in tech & HR only.....

Technical: In technical they asked me 2 make a program(I was asked 2 reverse my name) n then they asked about my subsj..... technical round is very imp in TCS so be careful in this round.....

1)Do prepare 4 c & c++(especially programing.....)

2) Be thorough with the subjects u have written in ur resume.

3)Never try 2 make interviwr fool.if u don't know d ans then bettr 2 apologise.

4)They were with d syllabus of recent sem.so prepare atleast basic definations 4m d subsj of recent sem..... I was asked some qs 4m each subj of recent sem.

5)If u r 4m electronics,Instrumentation or electrical.....bettr 2 prepare u r branch subsj. As I m 4m instrumentation they asked me about Instrumentation & Measurment(although I didn't mention it in my cv).

6)Do prepare practical applications of ur subsj.I was asked d name of practical instruments.....n how they used in industries.....practical Transducers(Pnumetic valve,diff valves like air 2 open air 2 close,RTD,themistor,AC & DC machines.....etc).

After clearing d technical.i was called 4 HR.....

HR :In HR they asked me about family back ground.....hobbies.how I utilize my hobbies.....why tcs .etc.....

- 1) Some qs r common in HR.(like introduction.....whre u c ur self aftr 5 yr.why TCS.....leadrship quality according 2 u n many more.....)but never mugup d ans of such qs.....only see d patrn how 2 ans such qs.....n also prepare ur ans diff 4m othrs.....as they easily recognise d sme ans 4m each candidate.
- 2) In this round they chek ur confidence, communication skills, presence of mind & stress management.....(be confident.n cool.....in stress interview they may ask some qs like. R u loyal 2 ur family.....give 5 reasons why should we reject u??.....or they may say.we r not going 2 take u.....wht u have 2 do is2.be calm n cool.....).
- 3) Always have a smile on ur face..n show feel good factor.....never show disinterest in ansring d qs.should always have eyecontact while ansring.
- 4) Very imp point .they may ask same qs in diff ways.....u should give d same ans each time.....they asked me d same qs in my technical n HR(although both times intervers were diff.).
- 5) If u r 4m a branch othr than comptrs .then do prepare the ans 4.....why softwere???.....n why should we take u?????this qs were asked 4m most of the candidate of diff branch.
- 6) DO prepare basic information about tcs.(especially its vision mission n values.....its CEO,chairman..compny's status.recent news about com..... etc).
- 7) Finally they asked me do u want 2 ask anything?.....so DO prepare some qs 4 this..)

All D Bestsee u at TCS.....

This is Chhabi Neema from SVITS(Indore) placed in TCS

TCS on 24th Jan at IPS Academy Indore

I am BHUPESH GUPTA from MCA.. TCS visit our college on 24th Jan 2008 .252 Students were appeared in the online written exams and 152 cleared it. Among 152 approx 100 students cleared Technical Interview out of which 75 students had finally selected.

written exam is divided in three part..

- 1) Verbal
- 2) Aptitude
- 3) Critical reasoning

it is very clear there is no sessional cut-off..

1) In verbal section 10 ANTONYMS, 10 SYNONYMS, and around 12 fill in the blanks were there.

Most of the antonyms and synonyms were from GRE BARRON'S 12th edition high frequency word list. But those 12 blanks were not from GRE BARRON'S so it was difficult to answer them.

Here are some Antonyms and synonyms.

Synonyms:

Musty = stale, Galleon = ship, Garrulous = talkative, Brochure = pamphlet, Candid = outspoken, Regal = royal, Repudiate = reject, Chimerical = fantastic

Antonyms:

Credit X believe false, Quixotic X pragmatic, Admonition X commendation, Precipitate X Dilatory, Inter X bury.

Omniscience X Ignorance, Precipitous X Cautious, Protract X shorten, Tenacious X

2) In aptitude test there were 38 questions...please read the previous papers thoroughly...pattern remains same only just data is changed...

1. In a two-dimensional array, X(9, 7), with each element occupying 4 bytes of memory, with the address of the first element X(1, 1) is 3000; find the address of X(8, 5).

2. In the word ORGANISATIONAL, if the first and second, third and fourth, fourth and fifth, fifth and sixth words are interchanged up to the last letter, what would be the tenth letter from right?

3. What is the largest prime number that can be stored in an 8-bit memory?

4. Select the odd one out....a. Java b. Lisp c. Smalltalk d. Eiffel.

5. Select the odd one out a. SMTP b. WAP c. SAP d. ARP

6. Select the odd one out a. Oracle b. Linux c. Ingress d. DB2

7. Select the odd one out a. WAP b. HTTP c. BAAN d. ARP

8. Select the odd one out a. LINUX b. UNIX c. SOLARIS d. SQL SEVER

9. Select the odd one out a. SQL b. DB2 c. SYBASE d. HTTP

10. The size of a program is N. And the memory occupied by the program is given by $M = \sqrt{100N}$. If the size of the program is increased by 1% then how much memory now occupied?

11. A man, a woman, and a child can do a piece of work in 6 days. Man only can do it in 24 days. Woman can do it in 16 days and in how many days child can do the same work?
12. In which of the system, decimal number 184 is equal to 1234?
13. Find the value of the 678 to the base-7.
14. Number of faces, vertices and edges of a cube
15. Complete the series 2, 7, 24, 77, ___
16. Find the value of $@@+25-++@16$, where @ denotes "square" and + denotes "square root".
17. Find the result of the following expression if, M denotes modulus operation, R denotes round-off, T denotes truncation: $M(373,5)+R(3.4)+T(7.7)+R(5.8)$
18. If TAFJHH is coded as RBEKGI then RBDJK can be coded as?
19. $G(0) = -1$, $G(1) = 1$, $G(N) = G(N-1) - G(N-2)$, $G(5) = ?$
20. What is the max possible 3 digit prime number?
21. A power unit is there by the bank of the river of 750 meters width. A cable is made from power unit to power plant opposite to that of the river and 1500mts away from the power unit. The cost of the cable below water is Rs.15/- per meter and cost of cable on the bank is Rs.12/-per meter. Find the total of laying the cable.
22. The size of a program is N. And the memory occupied by the program is given by $M = \text{square root of } 100N$. If the size of the program is increased by 1% then how much memory now occupied?
23. In Madras, temperature at noon varies according to $-t^2/2 + 8t + 3$, where t is elapsed time. Find how much temperature more or less in 4pm to 9pm.
24. The size of the bucket is N kb. The bucket fills at the rate of 0.1 kb per millisecond. A programmer sends a program to receiver. There it waits for 10 milliseconds. And response will be back to programmer in 20 milliseconds. How much time the program takes to get a response back to the programmer, after it is sent?
25. A man, a woman, and a child can do a piece of work in 6 days. Man only can do it in 24 days. Woman can do it in 16 days and in how many days child can do the same work?
26. If the vertex (5,7) is placed in the memory. First vertex (1,1) `s address is 1245 and then address of (5,7) is -----

27. Which of the following are orthogonal pairs?

a. $3i+2j$ b. $i+j$ c. $2i-3j$ d. $-7i+j$

28. If VXUPLVH is written as SURMISE, what is SHDVD?

29. If A, B and C are the mechanisms used separately to reduce the wastage of fuel by 30%, 20% and 10%. What will be the fuel economy if they were used combined.

30. What is the power of 2? a. 2068 b. 2048 c. 2668

31. Complete the series. 3, 8, --, 24, --, 48, 63.

32. Complete the series. 4, -5, 11, -14, 22, --

33. A, B and C are 8 bit no's. They are as follows:

A -> 1 1 0 1 1 0 1 1

B -> 0 1 1 1 1 0 1 0

C -> 0 1 1 0 1 1 0 1 Find $((A-B) \cup C)=?$

34. A Flight takes off at 2 A.M from northeast direction and travels for 11 hours to reach the destination, which is in northwest direction. Given the latitude and longitude of source and destination. Find the local time of destination when the flight reaches there?

35. A can copy 50 papers in 10 hours while both A & B can copy 70 papers in 10 hours. Then for how many hours required for B to copy 26 papers?

36. A is twice efficient than B. A and B can both work together to complete a work in 7 days. Then find in how many days, A alone can complete the work?

37. A finish the work in 10 days. B is 60% efficient than A. So how many days do B takes to finish the work?

38. A finishes the work in 10 days & B in 8 days individually. If A works for only 6 days then how many days should B work to complete A's work? Ans: 3.2 days

39. Given the length of the 3 sides of a triangle. Find the one that is impossible? (HINT: sum of smaller 2 sides is greater than the other one, which is larger)

40. Find the singularity matrix from a given set of matrices?

41. A 2D array is declared as A[9,7] and each element requires 2 byte. If A [1,1] is stored in 3000. Find the memory of A[8,5] ?

42. Sum of slopes of 2 perpendicular st.lines is given. Find the pair of lines from the given set of options, which satisfy the above condition?
43. (a) $2+3i$ (b) $1+i$ (c) $3-2i$ (d) $1-7i$.Find which of the above is orthogonal.
44. $(\text{Momentum} \times \text{Velocity}) / (\text{Acceleration} \times \text{distance})$. Find units.
45. The number 362 in decimal system is given by $(1362)_x$ in the X System of numbers find the value of X
a) 5 b) 6 c) 7 d) 8 e) 9
46. Given \$ means Tripling and % means change of sign then find the value of $\$ \% \$ 6 - \% \$ \% 6$
47. My flight takes off at 2am from a place at $18^\circ\text{N } 10^\circ\text{E}$ and landed 10 Hrs later at a place with coordinates $36^\circ\text{N } 70^\circ\text{W}$. What is the local time when my plane landed?
6:00 am b) 6:40am c) 7:40 d) 7:00 e) 8:00
48. Find the highest prime number that can be stored in an 8 bit Computer?
49. Which of the following set of numbers has the highest Standard deviation?
a) 1,0,1,0,1,0 b) -1, -1, -1, -1, -1, -1 c) 1,1,1,1,1,1 d) 1,1,0, -1,0, -1

3) Analytical Reasoning:

Take Barrons 12th edition and go through all of the model test papers(1-5). Omit the passages containing 1 or 2 qns. Study the passages with 4 or more qns. The passages and qns are cut ,copy, paste from Barrons. Some times (rarely), they change the names.

I had gone through the previous 40 qn papers in this site and found out which passages were asked. They are:

Model test 1: Section5 - qns 1-4 (motorist), qns 13-16 (red and brown)..... Section6 - qns 1-4 (conservative,democratic), qns 8-11 (latin, sanskrit), qns 12-18 (joe,larry,ned), qns 19-22 (a causes b)

Model test 2: Section1 - qns 19-22 (wallachia and rumelia) ---i got this qn, but the names were changed as london and paris, and a,b,c etc were changed as french, italian etc.

Section6 - qns 8-12 (ashland, liverpool), qns 13-16 (spelunker) ---i got this qn, qns 17-22 (pesth) ---i got this one too

Model test 3: Section6 - qns 1-4 (all Gs are Hs)

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Model test 4: Section5 - qns 8-11 (horizontal row), qns 19-22 (a,b,c cause d)

Section6 - qns 8-12 (spanish, italian), qns 13-16 (all As, Bs), qns 17-22
(progressive federal party)

Model test 5: Section3 - qns8-11 (museum), qns 19-22 (A is the father)

Section7- qns 1-5 (prahtu, brahtu), qns 21-25 (scurvy)

Analytical section consists of 12 qns to be answered in 30 mins.

PLZZZZZZZZ GO THRU THE 5 MODEL PAPERS OF GRE BARRON'S.....

ONLY STUDY THE MODEL PAPERS OF GRE BARRONS 12&13th edition only...
you have certainly got para among them..

TECH INTERVIEW...

It was on DBMS .They asked me about Normalization,queries and many more concepts...

Prepare one core subject .you should know every thing in that subject.

M.R+H.R.....

- 1) Describe ur self?
- 2) Tell me ur strengths and weakness.
- 3) What do u expect from TCS?.
- 4) What do u know about our company?
- 5) How many times u have visited our web site?
- 6) Do u know about our 2 year bound.
- 7) Are u comfortable to go any where?

And many more.....

when the result announced my name was in the list..

I just want to say that BE CONFIDENT AND BELIVE IN URSELF.....

TCS PAPER ON 24th MARCH AT BHUBANESWAR

Hello frnds,I am Samir Anand (MCA 4th sem),TCS recruitment team visited our campus
on 24th march, and selected 310 students.It was 2 day process,written test followed by

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tech n hr interview (combined). nearly 560 turned up for written test, out of which 502 qualified for the next round, and finally 310 were selected.....

I wud like to share my experience wid all of u .The paper as usual consisted of 3 sections-

- 1) VERBAL (32 questions)
- 2) APTITUDE (38 questions)
- 3) CRITICAL REASONING (12 questions)

in the verbal section there were 10 synonyms,10 antonyms,6 sentence completeion ques and 6 ques on reading comprehension.for this u just follow GRE Barron 12th edition,each n every ques comes from that particular book.

this is the exact ques that was in the paper:-(with ans) In a sense the university had failed. It has stores great quantities of knowledge; it teaches more people; and despite its failures, it teaches them better. D . Of the great branches of knowledge- the sciences the social sciences and humanities- the science are applied. Strenuous and occasionally successful efforts are made to apply the social sciences, not almost never are the humanities well applied. We do not use philosophy in defining our conduct. E . The great task of the university in the next generation is to learn to use the knowledge we have for the questions that come before us. F The difference between a primary problem

and a secondary or even tertiary problem is that primary problems tend to be around for a long time, whereas the less important ones get solved.

One primary problem is that of interfering with biological development. A . Obviously, there are benefits both to individuals and to society from eliminating, or at least improving, mentally and physically deformed persons. On the other hand, there could be very serious consequences if this knowledge were used with premeditation to produce superior and subordinate classes, each genetically prepared to carry out a predetermined mission. B , Here we have a primary problem that will still exist when we are all dead. Of course, the traditional faculty members would say. “ C ”. And certainly they would not learn, but they would learn some other things.

- A. The next generation, and perhaps this one, will be able to interfere chemically with the actual development of an individual and perhaps biologically by interfering with an individual's genes.
- B. This can be done, but what happens to free will and he rights of the individual
- C. But the students won't learn enough to go to graduate school
- D. It is in the application of this knowledge that the failure has come.
- E. We do not use literature as a source of real and vicarious experience.
- F. The university should organize should organize courses around primary problems
- G. The universities greatest shortcoming is not to help students see the relevance of humanities to real problems.
- H. It is difficult for modern students, accustomed to the minute of film, to appreciate opera.

I. It is necessary students to require to include in their curricula liberal arts courses.

About aptitude, i wud just say no need 2 worry as it is the most easiest section, just practice papers of last 2 or 3 years and u will be able to solve all of them on the day of test.

some ques were as follows:--

Q1. Fill in the missing number in the sequence 5 7 11 ?? 35 67
(a) 24 (b) 33 (c) 19 (d) 18 (e) 25

Q2. In the following series, how many Ws are there such that each W is followed by an C next to it if the C is not followed by a S next to it?

W C W S Q M W C S M C W C C W Q M W

W C Q W C S C W A M C W C M

(a)3 (b) 5(c)6 (d)4 (e)7

Q3. If QMFBTF is coded as PLEASE how will HBJO be coded?

(a)MIND (b)ALERT (c)TRIAL (d) GAIN (e) BRAVE

Q4. Suppose the first and second letters in the word CONSTITUTIONAL were interchanged, also the third and fourth letters, the fifth and sixth etc. Print the letter that would then be the tenth letter counting from the right.

(a) T (b) I (c) N (d) O (e) U

Q5. How would the decimal number 520 be represented in a base -7 number System?

(a) 1564 (b) 1234 (c) 1342 (d) 1562 (e) 1672

Q6. What is the largest prime number that can be stored in an 8-bit word computer?

(a) 199 (b) 251 (c) 201 (d) 233 (e) 257

Q7. If $n = 10 \times 18 \times 22$, which of the following is NOT an integer?

(a) $n / 132$ (b) $n / 55$ (c) $n / 45$
(d) $n / 20$ (e) $n / 78$

Q8. Which of the following is a power of 3?

a. 2672 b. 2898 c. 2735
d. 2187 e. 2413

Pick the odd one out

Q9. (a)ORACLE (b)INGRESS (c) UNIX
(d)DB2 (e) SYBASE

Q10. (a)SAP (b)HTTP (c)WAP (d)SMTP (e)ARP

Q11. The three numbers in brackets represent the length of the sides of a triangle. Which of these does not represent a proper triangle?

- (a)(2m,3m,4m) (b)(1m,2m,4m) (c) (3m,4m,5m) (d) (3m,3m,3m) (e) (5m,3m,5m)

Q12. The three numbers in brackets in each of the following options represents the number of vertices, the number of edges and the number of faces respectively. Find out which of these represents a solid planar cube?

- (a) (4,8,12) (b) (8,12,6) (c) (8,6,12) (d) (8,8,8) (e) (12,6,8)

Q13. Which set of data exhibits a higher Standard Deviation?

- (a) 7, 0, -7, 7, 0, -7 (b) -7, -7, -7, -7, -7, -7 (c) 7, -7, 7, -7, 7, -7
(d) 7, 7, 7, 7, 7, 7 (e) 7, 7, 7, 0, 7, 7

Q28. Of the four vectors A,B,C,D find out which pair forms an orthogonal set

$$A = i+j, B = 3i+2j, C = -7i+j, D = 2i-3j$$

- (a)BD (b)AD (c)BC (d)AC (e)AB

Q29. Evaluate the expression

$M(373,7) + R(5.8) + T(7.7) - R(3.4)$ where M stands for Modulo arithmetic, R stands for Round-off operation and T stands for Truncation Operation

- (a)13 (b)16 (c) 12 (d)19 (e)21

Q30. Three independent mechanisms A, B and C have been incorporated for fuel saving in a car producing respectively 30%, 20% and 40% efficiency. Assuming that they operate independently, what is the net fuel efficiency achieved?

- (a)61 % (b) 64% (c) 62% (d) 66.4% (e) 69%

Q31. The scores in class exams and final exam of 2 students are given as below:

Class exam	Final exam
3	1.4
3.5	1.65

Find the Class exam score of a student who has scored 6 in the Final exam.

- (a)12.2 (b) 13 (c)10.1 (d)10.2 (e)12.5

for the analytical part again its GRE Barrons (12th edition).solve the questions given in the 5 model test papers only...and it will be all..

some ques are:---

Model test paper 1 : Section 5 : question 1-4

question 13-16

Section 6 : question 1-4

question 8-11

question 19-22

Model test paper 2 : Section 1 : question 1-4

question 8-11

question 19-22

section 6 : question 1-4

question 8-12

question 13-16

question 17-22

Model test paper 3 : Section 5 : question 1-4

question 13-16

question 17-22

Section 6 : question 8-11

question 19-22

Model test paper 4 : Section 5 : question 1-4

question 12-18

question 19-22

Section 6 : question 1-4

question 8-12 (may change to Indian languages as mine was d case .)

question 13-16

Model test paper 5 : Section 3 :

question 1-4

question 8-11

question 19-22

Section 7 : question 1-5

question 6-9

tech n HR interview:--

As i am a MCA student so the HR asked me questions about computers only, but b ready with some general definations from ur core subject..

questions asked from me were---

1)how r u?

2)how r u feeling right now?

3)tell me something about urself?(b confident in answering but never boast urself)

4)which is ur fav subject? i told DBMS & 'C'

then the swithced on to technical questions:--

1)what is transaction,deadlock,methods to avoid deadlock.

2)M:N Mapping.

3)BCNF

4)Volatile memory n cache memory.

5)Stack Operation--told me 2 write function for deletion operation in stack.

6)Hashing.

if u know the answer then its ok otherwise just tell them sorry.dont give wrong answer. at times they will try to confuse u bt u have to b confident... finally d person asked WHY TCS.....n that was all b confident n polite in answering..

TCS PAPER ON 25th FEBRUARY 2008

HI FRIENDS, THIS WAS MY WHOLE EXPERIENCE OF TCS PLACEMENT, I HOPE YOU WILL BE BENEFITTED FROM IT.

APTITUDE:-

VERBAL:

It consisted of 10 antonyms, 10 synonyms and two passage in which you have to fill in the blanks with correct sentences. It's a bit difficult but don't worry u can get through even if u don know anything in verbal. Refer barrons .

QUANTITATIVE:

1. The size of a program is N. And the memory occupied by the program is given by $M = \sqrt{100N}$. If the size of the program is increased by 1% then how much memory now occupied?

Ans. 0.5%

2. Number of faces, vertices and edges of a cube

Ans. 6, 12, 8

3. Find the result of the following expression if, M denotes modulus operation, R denotes round-off, T denotes truncation: $M(373,9)+R(3.4)+T(7.7)+R(5.8)$

4. $G(0)=1, G(1)=-1, G(N)=G(N-1) - G(N-2), G(6)= ?$

5. A power unit is there by the bank of the river of 750 meters width. A cable is made from power unit to power a plant opposite to that of the river and 1500mts away from the power unit. The cost of the cable below water is Rs. 5/- per meter and cost of cable on the bank is Rs.6/- per meter. Find the total of laying the cable.

6.. In Madras , temperature at noon varies according to $-t^2/2 + 8t + 3$, where t is elapsed time. Find how much temperature more or less in 4pm to 9pm.

7. A 2D array is declared as $A[9,7]$ and each element requires 2 byte. If $A[1,1]$ is stored in 3000. Find the memory of $A[8,5]$?

8. $(\text{Momentum} * \text{Velocity}) / (\text{force} * \text{distance})$ find units.

9. Match the following:

1. Male - Boy ---> a. A type of
2. Square - Polygon ---> b. A part of
3. Roof - Building ---> c. Not a type of
4. Mushroom - Vegetables ---> d. A superset of

10.1) Which of the following highest Standard deviation

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a.5,0,5,0,5,0 b) 5,5,5,5,5,5 c) 5,5,5,5,0,5 d) -5, 5, -5, 5,-5, 5

11. Which of the following are orthogonal pairs a) $5i+3j=7$ b) $i=-jc$ c) $2i-j=3$ d) $3i=5j+6$
1. a&d 2. a&c 3. c&d 4. b&d

12. My flight takes off at 2am from a place at 18N40E and landed 8 Hrs later at a place with coordinates 36N40W. What is the local time when my plane landed?

13. 2 student get 3 and 3.5 in their class exam And 1.4 and 1.65 in final exam respectively . What might be the class marks of 3rd student who have got 0 marks in final exam? (not exactly same values)

14. Odd one out:

a. Linux b. windows NT c. SQL server d. Unix

15. 19. A person was fined for exceeding the speed limit by 10 mph. Another person was also fined for exceeding the same speed limit by twice the same. If the second person was traveling at a speed of 35 mph. Find the speed limit .ans: 15 mph

16. 117. In the word ORGANISATIONAL, if the first and second, third and fourth, fourth and fifth, fifth and sixth words are interchanged up to the last letter, what would be the tenth letter from right?

17. the graph of $\tan x$ was given.

18. If TAFJHH is coded as RBKGI then RBDJK can be coded as?

19. 43. If A, B and C are the mechanisms used separately to reduce the wastage of fuel by 30%, 20% and 10%. What will be the fuel economy if they were used combined.

20. A, B and C are 8 bit no's. They are as follows:

A -> 1 1 0 1 1 0 1 1

B -> 0 1 1 1 1 0 1 0

C -> 0 1 1 0 1 1 0 1

Find $((A-B) \cup C) = ?$

21. A finishes the work in 10 days & B in 8 days individually. If A works for only 6 days then how many days should B work to complete A's work?

22. Find the singularity matrix from a given set of matrices?

23. (a) $2+3i$ (b) $1+i$ (c) $3-2i$ (d) $1-7i$. Find which of the above is orthogonal.

24. $(466)_{\text{decimal}} = ?$ what is the number in base 7?

25. which one is the power of 4= (ans.4096)

CRITICAL REASONING

This section consisted of 3 questions with sub parts. It was for 25 mins. All the questions were from 12 edition Barrons. They don't even change the data and the order of questions. It's just cut copy paste from BARRONS 12 EDITION. Since it was an online test for us so everyone had a different set of questions. I was lucky to get exact same questions from Barrons so I was the first one to come out of the hall with the TCS application form in the hand.

1. first question was red and brown marriage group.....
2. second was that Ned Allen Larry Willy and Rick lives in the first floor
3. third I don't remember. But it was something G is father of....and there are more no of females in the second generation.

TECHNICAL AND HR INTERVIEW:

We had the technical cum hr interview the next day. I had in the afternoon just after lunch. The panel was very friendly and made us feel very comfortable.

IT WAS A ROUND OF 30 MIN.....

INTRODUCE YOURSELF.

DESCRIBE OOPS CONCEPT OF C++.

A CODE WAS SHOWN TO ME AND ASKED ME TO SAY THE OUTPUT.

WHAT IS OBJECT.

WHAT ARE THE ADVANTAGES OF C++ OVER C.

WHAT IS FUNCTION OVERLOADING.

CONTROL OR LOOPING STRUCTURE OF C.

WHAT IS LINK LIST AND DESCRIBE WITH SUITABLE EXAMPLE.

HOW CAN YOU PROTECT INHERITANCE IN C++.

HR QUESTIONS.....

BE PREPARE WITH ALL THE QUESTIONS WHICH IS GIVEN BELOW.....

INTRODUCE YOURSELF

WHAT DO YOU KNOW ABOUT T.C.S

WHY DO YOU WANT TO JOIN T.C.S

WHY DO YOU WANT TO JOIN SOFTWARE COMPANIES OR IT INDUSTRY.

WHAT ARE YOUR STRENGTH AND WEAKNESSES WITH EXPLANATION.

HOW YOU CAN OVERCOME YOUR WEAKNESSES.

THERE WILL BE SOME QUESTIONS ON YOUR HOBBY.

DO YOU HAVE ANY QUESTIONS TO ASK THE INTERVIEWER.

FOR THE LAST QUESTION DON'T SPELLBOUND. SHOW YOUR INTEREST ABOUT THE COMPANY.

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LIKE THE QUESTION MAY BE ;WHAT ARE THE PROJECTS WILL BE ASSIGNED AT THE TRAINING PERIOD.AND OBSERVE THE WAY THEY ANSWER YOUR QUESTION.IT WILL HELP YOU TO GUESS WHETHER THEY SELECT YOU OR NOT. THAT'S ALL ABOUT THE HR ROUND... SO..I DO HOPE THAT THIS ALL QUESTIONS WILL HELP YOU TO CRACK T.C.S.

BEST OF LUCK TO ALL OF YOU HOPE TO SEE YOU ALL AT T.C.S

WITH LOVE & GOOD WISHES TO ALL,

TCS PAPER ON 25th FEBRUARY 2008

Hi friends , my name is RAVINDRA KUMAR pursuing MCA 2nd year from MMM engineering college.Gorakhpur recently TCS visited our college n selected 91 students out of 208 including B.Tech and MCA.

I would like to share my experiences on behalf of the MMM Engineering College , Gorakhpur wid the students who r really preparing hard to come under the umbrella of TCS as working professional.

I think this will b really helpful for the recent students who r goin to give their interviews. The entire recruitment procedure consisted of as usual following four rounds

1. Online written test.
2. Technical interview
3. HR interview n
4. MR interview

1.online written test:

This contained 3 sections ...

1.verbal section (antonyms ,synonyms n reading comprehensio) in my written:

10 antonyms were there n

10 synonyms were there , all from BARRON'S GRE 12TH EDITION exercise n model test paper with same options.

1 reading comprehension was there in, fill in the blanks form,from BARRON'S GRE 12TH EDITION only.

antonyms: prepare it fully from the GRE.(750 wordlist strictly 12th edition is recommended)

synonyms: same as above.

do prepare d GRE 12th edition 5 model test paper's ant. n syn questions reading comprehension: again go thru wid all gre practice reading

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comprehensions in the model test papers are tooo...

the RC asked to us was special since the comprehension was in fill in the blanks form with options. so be careful while reading RC. hence pls, do take good care of GRE 12th edition and learn or CRAM up the questions if required.

2. aptitude section (maths ability, series fill up etc type of questions.....):

for this just go through the previous years' aptitude test papers. it will be more than enough... since all questions are based on the same type as previously asked. only the numerical values are changed.

Following are some questions:

1. A family, planning a weekend trip, decides to spend not more than a total of 8 hours driving. By leaving early in the morning, they can average 40 miles per hour on the way to their destination. Due to the heavy Sunday traffic, they can average only 30 miles per hour on the return trip. What is the farthest distance from home they can plan to go?

- (a) 120 miles or less (b) Between 120 and 140 miles (c) 140 miles
(d) Between 140 and 160 miles (e) 160 miles or more

2. A car is filled with four and half gallons of fuel for a round trip. If the amount of fuel taken while going is $\frac{1}{4}$ more than the amount taken for coming, what is the amount of fuel consumed while coming back?

- (a) Less than 2 gallons (b) 2 gallons (c) $2\frac{1}{2}$ gallons
(d) 3 gallons (e) More than 3 gallons

3. if $g[0]=1, g[1]=-1, g[n]=2*g[n-1]-3*g[n-2]$ then calculate $g[4]=?$

4. the series was asked : 5,6,7,8,10,11,14,-?

5. they asked the temperature problem. it was same as previous papers. the ratio was $t^2/6+4t+12$.

6. the matrix of a(7,9) was given. the address of the first byte of a(1,1)=1258. it takes 4 bytes to store the number. then calculate the address of the last byte of a(5,8)

7. the program requires $4000(n)^{1/2}$ [ie square root of n]. if size of program was increased by 1% then calculate the percentage change in size of program.

8. $\text{modulo}(373,7)+\text{round}(5.8)+\text{truncat}(7.2)-\text{round}(3.4) = ?$ Wind flows at 160 miles in 330 minutes, for traveling 80 miles how much time does it require?

- (a) 1 hour 30 minutes (b) 1 hour 45 minutes (c) 2 hours (d) 2 hours 45 minutes (e) 3 hours

9. A salesperson by mistake multiplied a number and got the answer as 3, instead of dividing the number by 3. What is the answer he should have actually got?

- (a) 0 (b) $\frac{1}{3}$ (c) 1 (d) 2 (e) 3

10. In the class of 40 students, 30 speak Hindi and 20 speak English. What is the lowest possible number of students who speak both the languages?

(a) 5 (b) 20 (c) 15 (d) 10 (e) 30

11. One year ago Pandit was three times his sister's age. Next year he will be only twice her age. How old will Pandit be after five years?

(a) 8 (b) 12 (c) 11 (d) 13 (e) 15

12. A moves 3 kms east from his starting point. He then travels 5 kms north. From that point he moves 8 kms to the east. How far is A from his starting point?

Ans. 13 kms

13. Father's age is 5 times his son's age. 4 years back the father was 9 times older than son. Find the father's present age.

Ans. 40 years

14. If the word 'ddosszm' is changed to 'central' then what will be the change for 'rtjbl' ?
ans: quick

15. What is the largest prime number in 8 digit number?

16. The word unimpressive was given. They asked us to do change 1st & 2nd, 3rd & 4th, so on. Then they asked what will be 10th letter from right?

ans: m

17. The plane question was asked. It took off from 7 degree 53' 6.1" and landed at 8 degree 6' 43.5". It takes 12 hours to travel between these points. Then what will be local time at destination ? [just follow previous ques paper the problem was same]

18. (imp) The bucket size is 10KB. It takes 0.0001 KB/miliseC to fill bucket. The bucket takes 100 or 1000 miliseC to reach to destination. It takes 100 miliseC to pass acknowledgement from dest to source. So calculate how much time will it take to pass N KB, write formula.

19. The graph was given. The x and y axes were there. The line is intersecting them. The points of intersection were $y=3, x=0$ and $x=-2, y=0$. Write the equation of line.

20. The decimal number was given. It was converted to other system. They asked to identify the system. i.e. octal, hexadecimal.

21. Satish earns 240 weekly. 12% of big amount + earning weekly = 540. What is the big amount?

a) 3200 b) 3600 c) 2500 d) 1000

Sol : c

22. There is a six-letter word UGANDA. How many ways can you arrange the letters in the word in such a way that both A's are together. Ans) 120

23. If two cards are taken one after another without replacing from a pack of cards. What will be the probability for 2 cards to be drawn? Ans) $\frac{1}{13} \times \frac{1}{17}$

24. In a two-dimensional array, X (9, 7), with each element occupying 4 bytes of memory, with the address of the first element X (1, 1) is 3000; find the address of X (8, 5).

25. In the word ORGANISATIONAL, if the first and second, third and fourth, fourth and fifth, fifth and sixth words are interchanged up to the last letter, what would be the tenth letter from right?

26. Venn Diagram kinda ques. Some know English, some French, some German....how many know two languages..-

27. Bar Diagram, Pie Chart (similar to Data interpretation) 62. if $n = 68 \times 12 \times 51$, which one is not an integer
1. $n/102$, 2. $n/72$, 3. $n/153$, 4. $n/136$ 5. $n/244$

28. no. of vertices, edges, faces are given. which one among these best suits for the solid planner cube.
12, 8, 6 6, 8, 12 4, 8, 12 8, 12, 6

29. Which one among have higher deviation: 1. 7, 0, -7, 7, 0, -7 2. -7, -7, -7, -7, -7, -7
3. 7, -7, 7, -7, 7, -7 4. 7, 7, 7, 7, 7, 7

30. match the box
a. scooter---automobile a. super set of
b. oxygen---water b. not a type of
c. hop floor staff---filters c. a type of
d. bug---reptile d. part of

31. Select the odd one out..-a. Java b. Lisp c. Smalltalk d. Eiffel.

32. Select the odd one out a. SMTP b. WAP c. SAP d. ARP

33. Select the odd one out a. Oracle b. Linux c. Ingress d. DB2

34. Select the odd one out a. WAP b. HTTP c. BAAN d. ARP

35. Select the odd one out a. LINUX b. UNIX c. SOLARIS d. SQL SEVER

36. Select the odd one out a. SQL b. DB2 c. SYBASE d. HTTP

37. If TAFJHH is coded as RBKGI then RBDJK can be coded as?

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38. $G(0) = -1, G(1) = 1, G(N) = G(N-1) - G(N-2), G(5) = ?$

39. A power unit is there by the bank of the river of 750 meters width. A cable is made from power unit to power plant opposite to that of the river and 1500mts away from the power unit. The cost of the cable below water is Rs.15/- per meter and cost of cable on the bank is Rs.12/-per meter. Find the total of laying the cable.

40. In Madras , temperature at noon varies according to $-t^2/2 + 8t + 3$, where t is elapsed time. Find how much temperature more or less in 4pm to 9pm.

41. Which of the following are orthogonal pairs?

- a. $3i+2j$ b. $i+j$ c. $2i-3j$ d. $-7i+j$

42. If A, B and C are the mechanisms used separately to reduce the wastage of fuel by 30%, 20% and 10%. What will be the fuel economy if they were used combined.

43. What is the power of 2? a. 2068 b. 2048 c. 2668

44. A, B and C are 8 bit no's. They are as follows:

A -> 1 1 0 1 1 0 1 1

B -> 0 1 1 1 1 0 1 0

C -> 0 1 1 0 1 1 0 1

Find $((A-B) \cup C) = ?$

45. A is twice efficient than B. A and B can both work together to complete a work in 7 days. Then find in how many days, A alone can complete the work?

46. $(\text{Momentum} * \text{Velocity}) / (\text{Acceleration} * \text{distance})$. Find units.

47. Which of the following set of numbers has the highest Standard deviation?

a) 1,0,1,0,1,0 b) -1, -1, -1, -1, -1, -1

c) 1,1,1,1,1,1 d) 1,1,0, -1,0, -1

48. 3 angles or 3 sides r given. Which will form a triangle? A car travels 12 kms with a 4/5th filled tank. How far will the car travel with 1/3 filled tank?

Ans. 5 kms

49. The sum of the digits of a two digit number is 8. When 18 is added to the number, the digits are reversed. Find the number?

Ans. 35

50. Fathers age is 5 times his son's age. 4 years back the father was 9 times older than son. Find the fathers' present age.

Ans. 40 years

51. What number should be added to or subtracted from each term of the ratio 17 : 24 so that it becomes equal to 1 : 2. Ans. 10 should be subtracted

52. What is the 12th term of the series 2, 5, 8, --
Ans. 35

53. If 20 men take 15 days to complete a job, in how many days can 25 men finish that work?
Ans. 12 days

54. If Rs.1260 is divided between A, B and C in the ratio 2:3:4, what is C's share?
Ans. Rs. 560

55. Hansie made the following amounts in seven games of cricket in India : Rs.10, Rs.15, Rs.21, Rs.12, Rs.18, Rs.19 and Rs.17(all figures in crores of course). Find his average earnings.
Ans. Rs.16 crore

56. There are 150 weights .Some are 1 kg weights and some are 2 kg weights. The sum of the weights is 260.What is the number of 1kg weights?
Ans. 401.

57. One Rectangular plate with length 8 inches breadth 11 inches and 2 inches thickness is there. What is the length of the circular rod with diameter 8 inches and equal to volume of rectangular plate ?
ans: 3.5 inches

58. 2 oranges, 3 bananas and 4 apples cost Rs.15 . 3 oranges 2 bananas 1 apple costs Rs 10. what is the cost of 3 oranges, 3 bananas and 3 apples
ans: Rs 15.

59. Two pencils costs 8 cents, then 5 pencils cost how much
ans:20 cents

60. A sales person multiplied a number and get the answer is 3, instead of that number divided by 3. what is the answer he actually has to get ?
ans: 1/3

61. A stationary engine has enough fuel to move 12 hours when its tank is 4/5 full, how much hours will it run when the tank is 1/3 full
ans: 5 hours

3.logical reasoning :

Do all the logical reasoning practice exercise of BARRON'S GRE 12TH EDITION if u couldn't able to solve them ,then just cram it by heart becoz it is copy paste questions from it without any change in the sequence of questions n options, even.and also go

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through the 5 model test papers's logical reasoning questions of GRE 12th edition.this is most important..... u vll find all of them from it only.

Whole exam was conducted online and the result was out as soon as u submit ur answers of last section. I cleared it n I had to face my interview on the next day.

2. technical interview:

my tech interview last for 25-28 minutes n I was fired questions from my syllabus subjects, language command of c/c++, maths aptitude etc .some of them were.....

1.how do u feel after coming to this college??

2.wat subjects have u studied till now.name them??

3.u r comfortable wid which language?? I answered c++.then he asked bout wat are friend functions??wat is overriding??

4. asked that wat r the main parameters considering which u purchase ur system?? I answered him since m having system.so do ur homework on ur systems config. if u r having system or having area of interest as operating systems

5.asked difference b/w ntfs and fat32 file systems. I answered then he asked bout wat r types of microprocessors n the difference b/w them. 6. then some mathematics apti question were fired on me which I was able to solve.like prove pythagorus theorem,finding the cube of the no. 35 in simple terms. I answered him interpreting cube of(30+5) using formula.

7. he asked me to write the program on finding area of triangle wid error handling. I wrote it in c lang.

8.then he asked questions regarding my graduation (electronics Like wat r amplifiers n wat r there use etc.....??

I answered him elaborately.

9. he asked to write the program of swapping two nos.widout using third variable. I wrote.....10 at last he asked me h vl u find the area of a ball?? I answered $4\pi r^2$.

Key points:

Be confident in whatever u r saying. Don't try to beat around the bush.n prevent urself from plucking the harmful flowers.

N don't hesitate in saying sorry sir I m not able to recall it if u r not knowing something which is asked rather than saying sorry sir I don't know.

Try to b cheerful. I know its really tough job but u really have to show h r u different from others.

Do ur homework on ur cv content like hobbies,area of interest,extra curricular activities, subjects etc.i was not asked questions regarding subjects dbms ,ds etc.but do prepare well all these.

3.MR interview (I was called for my MR interview directly b4 calling for HR,it was UNUSUAL).

Here I was asked following questions:

1. he(interviewer)asked me describe urself . I answered.

2. then he was asked about my subjects in mca of different semesters. I answered and then I was asked questions regarding computer networks.
3. what are different types of topologies used in computer networks?? I answered.
4. then he asked what is internet ??? and which type of topology does it use?? I told him sorry sir I am unable to recall He asked me to guess.... I guessed it could be star topology. then he asked me to explain that topology.

1. he asked me if you are having any question to ask?? I askedwhich post I am going to get if I will be placed in your company. He answered me elaborately.

Key points:

>do a lot of homework on the describe yourself.

>Your plus and minus points with example at the back up etc.

4. HR interview (it was at last) Here I was asked following questions:

1. he asked me to describe yourself. I answered

2. no more questions were there except he asked me about their bonds and placing me anywhere in India or abroad am I comfortable with that or not. I answered I am comfortable.

3. then he asked any question from your side??? I asked how can I improve myself still, after being placed, since I have still much time to spend at the college before joining. He answered.

And in this fashion my interview was over. The result was announced that night only around 9:30 pm. And my name was called out in the list of successful candidates. I was at the ninth cloud at that time.....

Hope you all feel this.....that how it really feels like, to be at ninth cloud.

One saying "we can find word success before work only in the dictionary but not in real life so work hard and embark yourself to achieve what you really want".

TCS PAPER ON 25th MARCH AT BHUBANESWAR

hi...i am Purbasha Kar from SILICON INSTITUTE OF TECHNOLOGY, bhubaneswar. we were having on campus drive of TCS on 25 & 26 march 2008. All together there were 282 students were there, 270 cleared the written test and finally 145 got through the Campus, and I was one of them. All the aptitude Questions were repeated from previous year papers from TCS. For critical reasoning section go through the GRE 12th edition, it is available on the net. Even if you are not able to solve that just mug up the answers. But it's my sincere request to you please understand the funda behind each questions. they are changing the names and sequence of the questions too. better if you understand it.

First there will be PPT frm TCS .U MAY ASK SOME GENUINE QUERY TO THEM .BUT NO NONSENSE QUERIES and make ur own ID.then they will give u the details of online test.there is no sectional cut off ,attempt as much question frm aptitude section,as most of them are repeated

There will be three section

- 1.English 32 ques 20min
- 2.Aptitude section 38ques 40 min.
- 3.critical reasoning 12ques 30min.

1.ENGLISH SECTION: PLZ HAVE A LOOK ON THESE:

We had 10 synonyms and 10 antonyms

For each of the words in Capital letters, choose from among the answers, the word that is closest in meaning:

Q No. 1 GARRULOUS

- (a) Arid (b) Hasty (c) Sociable (d) Quaint (e) Talkative

Q No. 2 INTER

- (a) Bury (b) Amuse (c) Relate (d) Frequent (e) Abandon

Q No. 3 CHIMERICAL

- (a) Developing (b) Brief (c) Distant (d) Economical (e) Fantastic

Q No. 4 BROCHURE

- (a) Opening (b) Pamphlet (c) Censor (d) Bureau (e) Pin

Q No. 5 EQUANIMITY

- (a) Clamour (b) Disparity (c) Composure (d) Propensity (e)
Indivisibility

Q No. 6 GALLEON

- (a) Liquid measure (b) Ship proof (c) Armada (d) Company (e) Printer's

Q No. 7 REGAL

- (a) Oppressive (b) Royal (c) Major (d) Basic (e) Entertain

Q No. 8 MUSTY

- (a) Stale (b) Necessary (c) Indifferent (d) Nonchalant (e) Vivid

Q No. 9 INDIGNITY

- (a) Pomposity (b) Bombast (c) Obeisance (d) Insult (e) Message

Q No. 10 CANDID

- (a) Vague (b) Outspoken (c) Experience (d) Anxious (e) Sallow

For each of the words in capital letters, choose from among the answers, the closest word that has the opposite meaning:

Q No. 11 REPUDIATE

- (a) Hesitant Incongruity (b) Neutrality (c) Admit (d) Polite (e)

Q No. 12 CREDIT

(a) Believe false (b) Treat as equal (c) Make more difficult (d) Underemphasize (e) Irresolute

Q No. 13 TENACIOUS

(a) Fast-running (b) Intention (c) Obnoxious (d) Holding fast (e) Irresolute

Q No. 14 PRECIPITATE

(a) Intricate (b) Devious (c) Posthumous (d) Dilatory (e) Contradictory

Q No. 15 QUIXOTIC

(a) Slow (b) Abstemious (c) Pragmatic (d) Benevolent (e) Grave

Q No. 16 ADMONITION

(a) Premonition (b) Hallucination (c) Escape (d) Commendation (e) Trepidation

Q No. 17 PROCLIVITY

(a) Prodigality (b) Avoidance (c) Credence (d) Calumny (e) Inception

Q No. 18 OMNISCIENCE

(a) Power (b) Extravagance (c) Magnanimity (d) Conscience (e) Ignorance

Q No. 19 PRECIPITIOUS

- (a) Cooperative (b) Cautious (c) Inaccurate (d) Formal (e) Simplistic

Q No. 20 PROTRACT

- (a) Defy (b) Supplement (c) Postpone (d) Shorten (e) Design

For each of the words in Capital letters, choose from among the answers, the word that is closest in meaning :

Q No. 1 CONTROVERT

- (a) Turn over (b) Contradict (c) Mind (d) Explain (e) Swing

Q No. 2 MIRAGE

- (a) Dessert (b) Illusion (c) Water (d) Mirror (e) Statement

Q No. 3 INTERDICT

- (a) Acclaim (b) Dispute (c) Prohibit (d) Decide (e) Fret

Q No. 4 INCONTINENT

- (a) Insular (b) Complaisant (c) Grass (d) Wanton (e) Faults

Q No. 5 GADFLY

- (a) Humourist (b) Nuisance (c) Scholar (d) Bum (e) Thief

Q No. 6 DECIMATE

- (a) Kill (b) Disgrace (c) Search (d) Collide (e) Deride

Q No. 7 MESMERIZE

- (a) Remember (b) Hypnotize (c) Delay (d) Bore (e) Analyze

Q No. 8 SEDATE

- (a) Unify (b) Immunize (c) Tranquilize (d) Stimulate (e) Injure

Q No. 9 DECOROUS

- (a) momentary (b) Emotional (c) Suppressed (d) Proper (e) Unexpected

Q No. 10 REPUGNANCE

- (a) belligerence (b) Tenacity (c) Renewal (d) Pity (e) Loathing

For each of the words in capital letters, choose from among the answers, the closest word that has the opposite meaning:

Q No. 11 TANTAMOUNT

- (a) Not negotiable (b) not equivalent (c) Not ambitious (d) Not evident (e)
Not relevant

Q No. 12 ABIDE

- (a) Retract an offer (b) Refuse to endure (c) Shield from harm (d) Exonerate (e)
Welcome

Q No. 13 PROSPEROUS

(a) Disengage (b) Impoverished (c) Refute thoroughly (d) Answer hypothetically (e) Consider genuinely

Q No. 14 VOUCHSAFE

(a) Postpone (b) Dissemble (c) Endanger (d) Prohibit (e) Justify

Q No. 15 CAVIL

(a) Discern (b) Disclose (c) Introduce (d) Flatter (e) Commend

Q No. 16 BOORISH

(a) Juvenile (b) Well mannered (c) Weak minded (d) Unique (e) Concealed

Q No. 17 ANTITHETICAL

(a) Qualitative (b) Unnatural (c) Deceptive (d) Supportive (e) Noncommittal

Q No. 18 REVILE

(a) Compose (b) Awake (c) Deaden (d) Praise (e) Secrete

Q No. 19 DESULTORY

(a) Apologetic (b) Independent (c) Laudatory (d) Questionable (e) Methodical

Q No. 20 ASSUAGE

- (a) Wane (b) Belie (c) Worsen (d) Intervene (e) Presume

For each of the words in Capital letters. Choose from among the answers, the word that is closest in meaning :

Q No. 1 CLEFT

- (a) Split (b) Waterfall (c) Assembly (d) Adherence (e) Surplus

Q No. 2 ISOTROPIC

- (a) Feeling cold (b) Being isolated (c) Showing warm (d) Having uniformity (e) Creating wealth

Q No. 3 TAWDRY

- (a) Orderly (b) Meretricious (c) Reclaimed (d) Filtered (e) Proper

Q No. 4 FURTIVE

- (a) Underhanded (b) Coy (c) Brilliant (d) Quick (e) Abortive

Q No. 5 EQUANIMITY

- (a) Clamour (b) Disparity (c) Composure (d) Propensity (e) Indivisibility

Q No. 6 INCRIMINATE

- (a) Exacerbate (b) Involve (c) Intimidate (d) Lacerate (e) Prevaricate

Q No. 7 INTREPID

- (a) Cold (b) Hot (c) Understood (d) Callow (e) Courageous

Q No. 8 INNOCUOUS

- (a) Not capable (b) Not dangerous (c) Not eager (d) Not frank (e) Not peaceful

Q No. 9 TRANSLUCENT

- (a) Clear (b) Opaque (c) Movement (d) Efficient (e) Telepathy

Q No. 10 BRACKISH

- (a) Careful (b) Salty (c) Chosen (d) Tough (e) Wet

For each of the words in capital letters, choose from among the answers, the closest word that has the opposite meaning:

Q No. 11 COMPLY

- (a) Simplify (b) Strive (c) Rebel (d) Unite (e) Appreciate

Q No. 12 RETROSPECTION

- (a) Introversion (b) Deliberation (c) Anticipation (d) Gregariousness (e)
Equivocation

Q No. 13 HAPLESS

- (a) Fortuitous (b) Fortunate (c) Fortifield (d) Forbidden (e) Forestalled

Q No. 14 PRECIPITATE

- (a) Intricate (b) Devious (c) posthumous (d) Dilatory (e) Contradictory

Q No. 15 SEDULOUS

- (a) Tangential (b) Rampant (c) Esoteric (d) Morose (e) Indolent

Q No. 16 HAMPER

- (a) Feed tactfully (b) Animate (c) Facilitate (d) Treat lightly (e) Caution

Q No. 17 URBANE

- (a) Civic (b) Remote (c) Deceptive (d) Conventional (e) Naïve

Q No. 18 DISINGEOUS

- (a) Naive (b) Accurate (c) Hostile (d) Witty (e) Polite

Q No. 19 TRACTABLE

- (a) Incoherent Uncooperative (b) Advisable (c) Simplistic (d) Influential (e)

Q No. 20 PROPITIOUS

- (a) Adjacent (b) Clandestine (c) Contentious (d) Unfavourable (e) Coy

2. FILL THE BLANKS:

Observe the dilemma of the fungus; it is a plant, but possesses no chlorophyll. While all other plants put the sun's energy to work for them combining the nutrients of ground and air into the body structure. _____ 1 _____. Chlorophyll is found in these other plants which, having received their energy free from the sun, relinquish it _____ 2 _____.

In this search of energy, the fungus has become the earth's major source of rot and decay. Wherever you see mould forming on a piece of bread, or a pile of leaves turning to compost, or a bloom down tree becoming pulp on the ground, _____ 3 _____.

With fungus action, the earth would be pooled high with _____ 4 _____.

In fact, certain plants which contain resins that are _____ 5 _____. Specimen of the redwood tree, for instance can still be found _____ 6 _____.

You are watching a fungus acting
Resting on the forest floor centuries after having been cut down
Responsible for decomposition of much plant life
Fungus must look elsewhere for an energy supply
Cannot produce their own store of energy
The dead plant life of past centuries
At some point in their cycle either to animal or to fungi
Fungus is vastly different from other plants
Toxic to fungi will last indefinitely.

3. AND A PASSAGE

QUANTITATIVE APTITUDE SECTION

1. Two pencils costs 8 cents, then 5 pencils cost how much

Sol: 2 pencils è 8 cents => 1 pencil è 4 cents

Therefore 5 pencils cost = $5 * 4 = 20$ cents

2. A work is done by two people in 24 min. one of them can do this work a lonely in 40 min. how much time required to do the same work for the second person.

Sol: (A+B) can do the work in = $1/24$ min.

A alone can do the same work in = $1/40$ min.

B alone can do the same work in = (A+B)'s - A's = $1/24 - 1/40 = 1/60$

Therefore, b can do the same work in = 60 min

3. A car is filled with four and half gallons of oil for full round trip. Fuel is taken 1/4 gallon more in going than coming. What is the fuel consumed in coming up?

Sol Before the trip, car is filled with = 4 1/2 gallon of oil

Let 'X' be the quantity of fuel consumed for the trip in one direction

The fuel consumed while going = $X + \frac{1}{4}$

The fuel consumed while coming = X

Therefore, the fuel consumed for the trip = $(X + \frac{1}{4}) + X = 4 \frac{1}{2}$

$\delta 2X + \frac{1}{4} = 4 \frac{1}{2} \Rightarrow 2X = 4 \frac{1}{2} - \frac{1}{4} \Rightarrow 2X = 4 \frac{1}{4} \Rightarrow X = 2$. approx

Therefore the fuel consumed while coming = 2 gallon

4. Low temperature at the night in a city is 1/3 more than 1/2 high as higher temperature in a day. Sum of the low temperature and highest temp. is 100 degrees. Then what is the low temp?

Sol: 40 deg.

5. A person, who decided to go to weekend trip should not exceed 8 hours driving in a day. Average speed of forward journey is 40 m/h. Due to traffic in Sundays, the return journey average speed is 30 m/h. How far he can select a picnic spot?

a) 120 miles

b) Between 120 and 140 miles

c) 160 miles

Answer: 120 miles

6. A person was fined for exceeding the speed limit by 10mph. Another person was also fined for exceeding the same speed limit by twice the same. If the second person was traveling at a speed of 35 mph, find the speed limit.

Sol: Let 'x' be the speed limit

Person 'A' was fined for exceeding the speed limit by = 10mph

Person 'B' was fined for exceeding the speed limit by = twice of 'A'

= $2 * 10\text{mph} = 20\text{mph}$ given that the second person was traveling at the speed of 35mph \Rightarrow

$35\text{mph} - 20\text{mph} = 15\text{mph}$

Therefore the speed limit is = 15 mph

7. A bus started from bus stand at 8.00am, and after 30 minutes staying at destination, it returned back to the bus stand. The destination is 27 miles from the bus stand. The speed of the bus is 18mph. In return journey bus travels with 50% fast speed. At what time it returns to the bus stand?

Sol: 11.00am

8. In a mixture, R is 2 parts S is 1 part. In order to make S to 25% of the mixture, how much r is to be added?

Sol: One Part

9. Wind flows 160 miles in 330 min, for 80 miles how much time required.

Sol:

10. With $\frac{4}{5}$ full tank vehicle travels 12 miles, with $\frac{1}{3}$ full tank how much distance travels

Sol: (5 miles)

11. A storm will move with a velocity of towards the center in hours, at the same rate how much far will it move in hrs.

Sol: (but the answer is $\frac{8}{3}$ or $2\frac{2}{3}$)

12. In a two-dimensional array, X (9, 7), with each element occupying 4 bytes of memory, with the address of the first element X (1, 1) is 3000; find the address of X (8, 5).

Ans: 3212

13. In the word ORGANISATIONAL, if the first and second, third and forth, forth and fifth, fifth and sixth words are interchanged up to the last letter, what would be the tenth letter from right?

Ans:I

14. What is the largest prime number that can be stored in an 8-bit memory? Ans : 251

15. Select the odd one out.....a. Java b. Lisp c. Smalltalk d. Eiffel.

16. Select the odd one out a. SMTP b. WAP c. SAP d. ARP

17. Select the odd one out a. Oracle b. Linux c. Ingress d. DB2

18. Select the odd one out a. WAP b. HTTP c. BAAN d. ARP

19. Select the odd one out a. LINUX b. UNIX c. SOLARIS d. SQL SEVER

20. Select the odd one out a. SQL b. DB2 c. SYBASE d. HTTP

21. The size of a program is N. And the memory occupied by the program is given by $M = \text{square root of } 100N$. If the size of the program is increased by 1% then how much memory now occupied?

Ans: $0.5\%(\text{SQRT } 101N)$

22. A man, a woman, and a child can do a piece of work in 6 days. Man only can do it in 24 days. Woman can do it in 16 days and in how many days child can do the same work?

Ans: 16

23. In which of the system, decimal number 184 is equal to 1234?

Ans: 5

24. Find the value of the 678 to the base-7.

Ans: 1656

25. Number of faces, vertices and edges of a cube

Ans: 6 8 12

26. Complete the series 2, 7, 24, 77, ___

Ans: 238

27. Find the value of $@@+25-++@16$, where @ denotes "square" and + denotes "square root".

Ans: 621

28. Find the result of the following expression if, M denotes modulus operation, R denotes round-off, T denotes truncation: $M(373,5)+R(3.4)+T(7.7)+R(5.8)$

Ans:19

29. If TAFJHH is coded as RBEKGI then RBDJK can be coded as?

Ans: qcckj

30. $G(0) = -1$, $G(1) = 1$, $G(N) = G(N-1) - G(N-2)$, $G(5) = ?$

Ans: - 2

31. What is the max possible 3 digit prime number?

Ans: 997

32. A power unit is there by the bank of the river of 750 meters width. A cable is made from power unit to power plant opposite to that of the river and 1500mts away from the power unit. The cost of the cable below water is Rs.15/- per meter and cost of cable on the bank is Rs.12/-per meter. Find the total of laying the cable.

Ans : 1000 (24725-cost)

33. The size of a program is N. And the memory occupied by the program is given by $M = \text{square root of } 100N$. If the size of the program is increased by 1% then how much memory now occupied?

Ans:0.5%(SQRT 101N)

34. In Madras , temperature at noon varies according to $-t^2/2 + 8t + 3$, where t is elapsed time. Find how much temperature more or less in 4pm to 9pm.

Ans: At 9pm 7.5 more

35. The size of the bucket is N kb. The bucket fills at the rate of 0.1 kb per millisecond. A programmer sends a program to receiver. There it waits for 10 milliseconds. And response will be back to programmer in 20 milliseconds. How much time the program takes to get a response back to the programmer, after it is sent?

Ans: 30

36. A man, a woman, and a child can do a piece of work in 6 days. Man only can do it in 24 days. Woman can do it in 16 days and in how many days child can do the same work?

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Ans: 16

37. Which of the following are orthogonal pairs?

a. $3i+2j$ b. $i+j$ c. $2i-3j$ d. $-7i+j$

Ans: a, c

38. If VXUPLVH is written as SURMISE, what is SHDVD?

Ans: PEASE

39. If A, B and C are the mechanisms used separately to reduce the wastage of fuel by 30%, 20% and 10%. What will be the fuel economy if they were used combined.

Ans: 20%

40. What is the power of 2? a. 2068 b. 2048 c. 2668

41. Complete the series. 3, 8, --, 24, --, 48, 63. Ans: 15, 35

42. Complete the series. 4, -5, 11, -14, 22, -- Ans: -27

43. A, B and C are 8 bit no's. They are as follows:

A -> 1 1 0 1 1 0 1 1

B -> 0 1 1 1 1 0 1 0

C -> 0 1 1 0 1 1 0 1

Find $((A-B) \cup C) = ?$ Hint: 109.... A-B is $\{A\} - \{A \cap B\}$

44. A Flight takes off at 2 A.M from northeast direction and travels for 11 hours to reach the destination, which is in northwest direction. Given the latitude and longitude of source and destination. Find the local time of destination when the flight reaches there?

Ans: 7 am

45. A can copy 50 papers in 10 hours while both A & B can copy 70 papers in 10 hours. Then for how many hours required for B to copy 26 papers?

Ans: 13

46. A is twice efficient than B. A and B can both work together to complete a work in 7 days. Then find in how many days, A alone can complete the work?

Ans: 10.5

47. A finish the work in 10 days. B is 60% efficient than A. So how many days do B takes to finish the work?

Ans :100/6

48. A finishes the work in 10 days & B in 8 days individually. If A works for only 6 days then how many days should B work to complete A's work?

Ans: 3.2 days

49. Given the length of the 3 sides of a triangle. Find the one that is impossible? (HINT: sum of smaller 2 sides is greater than the other one, which is larger)

50. Find the singularity matrix from a given set of matrices? (Hint $\det(A) \neq 0$)

51. $(\text{Momentum} \times \text{Velocity}) / (\text{Acceleration} \times \text{distance})$. Find units.

Ans: mass

52. The number 362 in decimal system is given by $(1362)_x$ in the X System of numbers find the value of X a) 5 b) 6 c) 7 d) 8 e) 9

53. Given \$ means Tripling and % means change of sign then find the value of $\$ \% \$ 6 - \% \$ \% 6$

54. My flight takes off at 2am from a place at 18N 10E and landed 10 Hrs later at a place with coordinates 36N70W. What is the local time when my plane landed?

6:00 am b) 6:40am c) 7:40 d) 7:00 e) 8:00

(Hint: Every 1 deg longitude is equal to 4 minutes. If west to east add time else subtract time)

55. 7 8 9 11 13 ?? 19

CRITICAL REASONING:

Entirely from Barron's 12th edition 5 Model Test Papers at the end. Those who don't have barrons, you can obtain it from the Internet and get the book in a pdf format. The questions asked are from these...

Model test 1: Section5 - qns 1-4 (motorist), qns 13-16 (red and brown)

Section6 - qns 1-4 (conservative, democratic), qns 8-11 (latin, sanskrit), qns 12-18

(joe, larry, ned), qns 19-22 (a causes b)

Model test 2: Section1 - qns 19-22 (wallachia and rumelia) ---

Section6 - qns 8-12 (ashland, liverpool), qns 13-16 (spelunker) ---

qns 17-22 (pesth) ---i got this one too

Model test 3: Section6 - qns 1-4 (all Gs are Hs)

Model test 4: Section5 - qns 8-11 (horizontal row), qns 19-22 (a, b, c cause d)

Section6 - qns 8-12 (spanish, italian), qns 13-16 (all As, Bs), qns 17-22 (progressive federal party)

Model test 5: Section3 - qns 8-11 (museum), qns 19-22 (A is the father)

Section7 - qns 1-5 (prahtu, brahtu), qns 21-25 (scurvy)

TECHNICAL & HR INTERVIEW:

I had both the interviews in one go

being from CS .

me and many of my friends were asked programming like:

*sortings: bubble sort, insertion sort, binary search, stack, queue, linked list

prime numbers, max min, gcd, lcm

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they even asked about automata theory :
what is a turing machinenon deterministic autometon??

RDBMS:

Have a clear view of all the normalization
i was asked to prepare a silicon DATABASE.
what is rdbms???

MPMC:

PIN diagrams of 8085 mainly.
diff between 8086 and 8085??
diff between c and c++??
there were some panels were physics ,chemistry ,mechanics were even asked .the fundas
only newtons laws boyle's law ,charles law plz have an over all idea .

if u are ANSWERING anything say with 200% confidence .u voice should reflect ur
certainty.

HR:

introduce urself
WHY tcs??
my brother is in TCS so he asked me if i had made any channelization to get into TCS.?

TCS PAPER ON 25th MARCH AT BHUBANESWAR

Hi friends, I am RAHUL PATI from SILICON INSTITUTE OF TECHNOLOGY,
Bhubaneshwar. I am from ELECTRICAL AND ELECTRONICS branch. TCS conducted
a recruitment drive in our campus on 25-26th March 2008 and recruited 145 students.
Now I am a TCS-ian!!!

PRE-PLACEMENT TALK-

On 25th we had a pre-placement talk. The TCS officials gave a presentation and told us
about their company and services. Listen to this talk carefully. I might help you in the
interview.

ONLINE TEST INSTRUCTIONS-

We had an online test. The instructions will be given by the TCS officials. Listen VERY
CAREFULLY to the instructions. A silly mistake will prove very costly.

1. Open the internet explorer and type the address, given by TCS official, in the address
bar.
2. The site opens and asks you login id and password. Those will also be provided to you.

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3. Once you login, you might get a page 'SAMPLE TEST'. Ignore it and click 'GO TO MAIN TEST' on that same page. Now your test starts.
4. The test has 3 sections of 20 mins, 30 mins and 40 mins. Test starts with section 1.
5. On the right top corner you will have a timer counting down and links to ques of that section. From the timer you can see the time left for that section and through the ques links you can move to any ques within that section only.
6. The ques links have 3 color codes- RED – NOT VISITED
ORANGE- VISITED BUT NOT ATTEMPTED
GREEN- ATTEMPTED
7. There will be two buttons at the bottom of the page- EXIT and SUBMIT
8. After answering a ques click the SUBMIT button to register your answer. You can always come back and change it within the stipulated time.
9. EXIT button takes you out of the section. So click it ONLY after you have attempted all ques of a section.
10. After you finish all 3 sections CLICK EXIT. DON'T close the main window WITHOUT clicking EXIT!

ONLINE TEST-

The test is divided into 3 sections. There is NO negative marking and NO sectional cut off.

1. Verbal ability-

This has 26 ques (10 synonym 10 antonym and 2 passages). Time limit is 20 minutes. Go through the following synonyms and antonyms

SYNONYMS

1. Physiognomy the practice of trying to judge character and mental qualities by observation of bodily, esp. facial, features
2. Repudiate disinherit, banish, renounce; discard, oust.
3. Mitigate alleviate, reduce, diminish, lessen, weaken, attenuate
4. Inundate overwhelm, overpower, overburden, overflow, overrun
5. Bilk cheat, defraud, exploit, fleece, deceive, trick
6. Nettle irritates, provoke, try someone's patience, annoy, incense
7. Impugn question, dispute, query, berate, criticize, denounce, censure
8. Mulch fertilize, fertilizer
9. Tenacity firmness, fastness, tightness, strength, force, forcefulness, power.
10. Sobriety soberness, seriousness, solemnness, solemnity, thoughtfulness, gravity, graveness, earnestness, calmness,
11. Misanthrope a person who hates or distrusts all people
12. Waif stray, foundling, orphan.
13. Hamper obstruct, impede, hold back, inhibit, retard, slow down
14. Retrograde worsening, deteriorating, declining
- 15 Despondent hopeless, downcast, cast down, down, low, disheartened
16. Debacle downfall, collapse

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- 17. Tarry delay, dawdle, dally, wait; linger loiter.
- 18. Incontinent. unrestrained, unbridled, unchecked, uncurbed, ungoverned,
- 19. Nebulous shapeless, unformed, amorphous, shadowy, dim, indistinct
- 20. Paradox mystery, enigma, ambiguity; puzzle
- 21. Hidebound narrow-minded, narrow, intolerant, conventional
- 22. Lacklustre bland, insipid, vapid, dull, flat, dry, prosaic
- 23. Moribund near death, near the end, breathing one's last, fading fast

- WHIMSICAL: unusual and not serious in a way that is either amusing or annoying.
- CENSURE: criticism
- OPTIMUM: the best possible
- MISAPPREHENSION: wrong idea bout sth
- CANDID: frank, saying wat u feel openly, not hiding ones thought
- TERSE: using few words and often not seeming polite or friendly
- CITE: to mention sth as a reason or eq to support wat u r saying
- EFFUSIVE: showing too much of emotion, overenthusiastic
- IRRADIATE: Radiate (darken)
- TENACIOUS: firm, stubborn
- VOLUBLE: talkative
- BANAL: commonplace, trite, saying sth too often so that it becomes common
- RUPTURE: a situation in which sth breaks
- STANDING: status, existing or arranged permanently
- NASCENT: emerging, budding
- TRANSIENT: continuing fr a short time
- CLUTCH: to hold sth tightly
- GENERIC: general, (specific)
- EMPIRICAL: based on exp n experiments rather than ideas
- ANOMALY: abnormality, glitch
- CIRCUITOUS: long n not direct
- HAMPER: hinder
- SURVEILLANCE: observation, watch
- OBJECTIVE: purpose
- RAUCOUS: harsh, rasping
- VORACIOUS: greedy, hungry
- PEDIGREE: ancestry, derivation
- FIDELITY: loyalty, commitment
- AUGMENT: to increase the amnt, value of sth
- PRECARIOUS: not safe or certain, dangerous, uncertain (stable)
- ALACRITY: great willingness or enthusiasm
- DEROGATORY: insulting
- ONUS: the responsibility fr sth
- ANALOGUE: thing similar to another thing
- EXPEDIENT: useful fr a particular purpose but not always fair or rite
- ANALOGOUS similar in some way therefore able to be compared

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ASSUAGE:	to make an unpleasant feeling less severe
COMPLIANCE:	practice or obeying rules or request made by the authority
DIFFIDENT:	shy (bold)
PLAINTIVE:	sounding sad, lamenting
INSINUATE:	hint, intimate
MISDEMEANOR:	an action that is bad or unacceptable but not serious
EXONERATE:	to officially state that sb is not responsible for sth they've been blamed for
GREGARIOUS:	sociable
ANATHEMATIZE:	curse (bless)
BENIGN:	kind and gentle
ATTENUATE:	to make sth weaker or less effective
SONOROUS:	having a pleasant full deep sound
BOLSTER:	to improve sth or make it more stronger
DIVERGENT:	to go in a different way..opinion
DECOLLATE:	the top edge of women's dress etc
HETERODOX:	not following the usual opinion (unorthodox)
RESTIVENESS:	able to stay still
IGNOMINIOUS:	dishonor, deep disgrace
PLAGIARIZE:	steal another's ideas and pass them as one's own
EFFIGY:	a statue of famous person
TENACIOUS:	determined, persistent
RETROGRADE:	making a situation worse or returning to how sth was in past
SACROSANCT:	that is considered to be too important to change or question
DANGLE:	to hang or swing freely
CRYPTIC:	with a meaning that is hidden or not easily understood
DEBILITATE:	to make sth weak
DIVULGE:	reveal. to give some info that is considered to be secret
SCEPTIC:	a person that usually doubts claims that are true specially that others believe in
SPENDTHRIFT:	who spends too much money
SPECULATE:	to form opinion without knowing the details or facts
INDIGENOUS:	native
ERRONIOUS:	not correct
EQUIVOCATE:	to talk about sth in a way that is deliberately not clear in order to avoid or hide the truth
MINION:	servant
VERACITY:	truthfulness, quality of telling truth
MITIGATE:	to make sth less harmful or serious, alleviate
APEX:	top or highest part of sth
APPAL:	to shock sb very much
BRACKISH:	salty in unpleasant way
COGENT	strongly and clearly expressed in a way that influences what people believe in
CONCEDE:	to admit that sth is true, logical
CONCEIT:	too much pride in oneself and what one does

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CONCEAL:	to hide sth
CONCEIVE:	to form an idea in ur mind
LETHARGY:	the state of not having energy to do things
TACITURN:	tending not to say very much, in a way that seems unfriendly
Dwindle:	to become less gradually.
Efface:	to make sth disappear
Indignity:	humiliation
Inept:	acting or done with no skill
Infirmity:	weakness or illness fr a long period of time
Harbinger	forerunner, precursor, usher, announcer
Cacophony	discord, dissonance, discordance, jarring, stridency
Divulge	disclose, reveal, make known, tell, impart, communicate, publish
Clutch	grasp, clasp, hold; grip
Prolific	fertile, fruitful, fecund, luxuriant, abundant, profuse
Jaded	fatigued, worn-out, wearied; bored, tired
Mite	parasite, bug, tick; insect, vermin
Buxom	obust, vigorous; healthy ,fat
Foray	venture; attack , venture
Deponent	witness
admonish :	usurp
meager :	scanty
alienate:	estrangle
merry :	gay
brim:	boarder
obstinate:	stubborn
adhesive:	tenacious
tranquil :	serene
solicit:	urge
furtive :	stealthy
misery:	distress
volume:	quantity
hamper :	obstruct
veer :	diverge
belief:	conviction
incentive:	merit
inert:	passive
concur:	acquire
cargo:	freight
dispel:	scatter
caprice:	whim
heap:	to pile
covet:	crave
emancipate:	liberate
instigate:	incite
latitude:	scope
lethargy:	stupor

divulge:	discretion
hover:	linger
embrace:	effigy
baffle:	frustate
lament:	
stifle:	snithy
subside:	wane
confiscate:	appropriate
discretion:	prudence
efface:	deliberate
latent:	potential

1. Depreciation: deflation, depression, devaluation, fall, slump
2. Deprecate: feel and express disapproval,
3. Incentive: thing one encourages one to do (stimulus)
4. Echelon: level of authority or responsibility
5. Innovation: make changes or introduce new things
6. Intermittent: externally stopping and then starting
7. Detrimental: harmful
8. Conciliation: make less angry or more friendly
9. Orthodox: conventional or traditional, superstitious
10. Fallible: liable to error
11. Volatile: ever changing
12. Manifest: clear and obvious
13. Connotation: suggest or implied meaning of expression
14. Reciprocal: reverse or opposite
15. Agrarian: related to agriculture
16. Vacillate: undecided or dilemma
17. Expedient: fitting proper, desirable
18. Simulate: produce artificially resembling an existing one.
19. Access: to approach
20. Compensation: salary
21. Truncate: shorten by cutting
22. Adherence: stick
23. Heterogeneous: non similar things
24. Surplus: excessive
25. Assess: determine the amount or value
26. Cognizance: knowledge
27. Retrospective: review
28. Naive: innocent, rustic
29. Equivocate: tallying on both sides, lie, mislead
30. Postulate: frame a theory
31. Latent: dormant, secret
32. Fluctuation: wavering,

33. Eliminate: to reduce
34. Affinity: strong liking
35. Expedite: hasten
36. Console: to show sympathy
37. Adversary: opposition
38. Affable: lovable or approachable
39. Decomposition: rotten
40. Egregious: apart from the crowd, especially bad
41. Conglomeration: group, collection
42. Aberration: deviation
43. Augury: prediction
44. Credibility: ability to common belief, quality of being credible
45. Coincident: incidentally
46. Constituent : accompanying
47. Differential : having or showing or making use of
48. Litigation : engaging in a law suit
49. Maratorium: legally or officiallly determined period of dealy before fulfillment of the agreement of paying of debts.
50. Negotiate: discuss or bargain
51. Preparation: act of preparing
52. Preponderant: superiority of power or quality

53. Relevance: quality of being relevant
54. Apparatus: appliances
55. Ignorance: blindness, in experience
56. Obsession: complex enthusiasm
57. Precipitate: speed,active

Pillage – steal , loot , plunder

Cleft - split , crack

Incesment –

Brazen - bold , shameless

Awry - skewed , twisted , crooked

Remiss – careless , negligent

Defection - desertion

Ensue - follow

Avid - keen , eager

Rupidiate Repudiate - reject,deny

Gauche - clumsy, vulgar

Intrinsic - essential

Gaudy – flashy , showy

Hidebound – narrow minded

Incognitent -

Intermittent – irregular,broken

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Clastrophobia - fear
Contraband – illegal trade
Pagm concealed rapt
Voracious – avid,hunger,greedy
Seedy – sleazy,seamy
Omniscience – knowing all
Diatrobe – attack,criticism
Felicitous – fortunate,luck

Relish – enjoy,savor
Aloofness – unfriendliness, remoteness
Ambiguity - unknown
Pattry
Baleful – threatening, malevolent
Odium – hatred, disgust
Lapidarian
Gambol - skip
High handed – dominant,imperious
Retrospection - perception
Antithe
Pagan
Genuflect – kneel,bow
coerce – force,compel
Indubitably – undoubtedly, certainly
Extraneous – irrelevant , unrelated
Corpulent – fat,pump
Transient – momentary
Spurious – false,fake
Whimsical - fancy
Braggadocio -
Chimerical
Callow – inexperience,naive
Menial – unskilled,boring
Indigenous – native,original
Ambiguity
Foil – frustrate,halt

Censure - fault, criticize
Optimum- best, most favorable
Candid- frank, open, blunt, upfront, forth-right
Cite - quote, name, mention, refer to, allude to
Effusive - demonstrative, fussy, talkative, overenthusiastic,vociferous, extroverted
Voluble - articulate, vociferous, talkative
Banal - commonplace, trivial, predictable, trite, hackneyed

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Standing - rank, permanent, position, duration, status, reputation, eminence
Nascent - budding, emerging, blossoming, embryonic
Clutch - grasp, grab, hold
Generic - general, basic, common
Empirical - experimental, pragmatic, practical
Anomaly - irregularity, glitch, difference
Circuitous - roundabout, twisty, meandering, indirect, winding, tortuous
Surveillance - observation, watch, shadowing
Objective - aim, impartial, real, purpose, goal
Raucous - rough, wild, hoarse, guttering
Voracious - insatiable, avid, hungry, big, rapacious, greedy
Pedigree - rare-breed, full-blooded, lineage
Fidelity - loyalty, reliability
Augment - supplement, boost, add to, bump up
Precarious - unstable, shaky, risky, uncertain
Derogatory - disparaging, critical, insulting, offensive
Onus - responsibility, burden, obligation, duty
Analogous - similar, akin, related
Expedient - measure, convenient, device, maneuver
Compliance - fulfillment, obedience
Diffident - shy, insecure, timid
Plaintive - mournful, sad, melancholic, nostalgic, lamenting
Insinuate - imply, suggest, make-out, ingratiate yourself
Misdemeanor - wrong, sin, crime, offense
Exonerate - clear, forgive, absolve
Gregarious - outgoing, extroverted, sociable, expressive, unreserved
Benign - kind, benevolent, compassionate
Attenuate - satisfy, calm, soothe, ease
Sonorous - loud, deep, resonant, echoing
Bolster - boost, strengthen, reinforce, encourage
Heterodox - unorthodox, dissenting, contrary to accepted belief, heretical, deviating
Restiveness - impatience, restlessness, nervousness
Effigy - image, statue, model
Retrograde - retrospective, traditional, conservative, nostalgic, forward-looking (antonym)
Sacrosanct - sacred, holy, revered
Dangle - hang down, sway, droop, swing, suspend
Cryptic - mysterious, enigmatic, puzzling, hidden
Debilitate - incapacitate, weaken, hamper, encumber, hinder
Divulge - reveal, disclose
Spendthrift - wastrel, squanderer, compulsive shopper
Indigenous - native, original, local
Erroneous - mistaken, flawed, incorrect
Minion - follower, subordinate, underling, gofer
Veracity - reality, truth, sincerity.

Q No. 1 GARRULOUS

- (a) Arid (b) Hasty (c) Sociable (d) Quaint (e) Talkative

Q No. 2 INTER

- (a) Bury (b) Amuse (c) Relate (d) Frequent (e) Abandon

Q No. 3 CHIMERICAL

- (a) Developing (b) Brief (c) Distant (d) Economical (e) Fantastic

Q No. 4 BROCHURE

- (a) Opening (b) Pamphlet (c) Censor (d) Bureau (e) Pin

Q No. 5 EQUANIMITY

- (a) Clamour (b) Disparity (c) Composure (d) Propensity (e)
Indivisibility

Q No. 6 GALLEON

- (a) Liquid measure (b) Ship (c) Armada (d) Company (e) Printer's
proof

Q No. 7 REGAL

- (a) Oppressive (b) Royal (c) Major (d) Basic (e) Entertain

Q No. 8 MUSTY

- (a) Stale (b) Necessary (c) Indifferent (d) Nonchalant (e) Vivid

Q No. 9 INDIGNITY

- (a) Pomposity (b) Bombast (c) Obeisance (d) Insult (e) Message

Q No. 10 CANDID

- (a) Vague (b) Outspoken (c) Experience (d) Anxious (e) Sallow

Q No. 1 CONTROVERT

- (a) Turn over (b) Contradict (c) Mind (d) Explain (e) Swing

Q No. 2 MIRAGE

- (a) Dessert (b) Illusion (c) Water (d) Mirror (e) Statement

Q No. 3 INTERDICT

- (a) Acclaim (b) Dispute (c) Prohibit (d) Decide (e) Fret

Q No. 4 INCONTINENT

- (a) Insular (b) Complaisant (c) Grass (d) Wanton (e) Faults

Q No. 5 GADFLY

- (a) Humourist (b) Nuisance (c) Scholar (d) Bum (e) Thief

Q No. 6 DECIMATE

- (a) Kill (b) Disgrace (c) Search (d) Collide (e) Deride

Q No. 7 MESMERIZE

- (a) Remember (b) Hypnotize (c) Delay (d) Bore (e) Analyze

Q No. 8 SEDATE

- (a) Unify (b) Immunize (c) Tranquilize (d) Stimulate (e) Injure

Q No. 9 DECOROUS

- (a) momentary (b) Emotional (c) Suppressed (d) Proper (e) Unexpected

Q No. 10 REPUGNANCE

- (a) belligerence (b) Tenacity (c) Renewal (d) Pity (e) Loathing

Q No. 1 CLEFT

- (a) Split (b) Waterfall (c) Assembly (d) Adherence (e) Surplus

Q No. 2 ISOTROPIC

- (a) Feeling cold (b) Being isolated (c) Showing warm (d) Having uniformity (e)
Creating wealth

Q No. 3 TAWDRY

- (a) Orderly (b) Meretricious (c) Reclaimed (d) Filtered (e) Proper

Q No. 4 FURTIVE

- (a) Underhanded (b) Coy (c) Brilliant (d) Quick (e) Abortive

Q No. 5 EQUANIMITY

- (a) Clamour
Indivisibility (b) Disparity (c) Composure (d) Propensity (e)

Q No. 6 INCRIMINATE

- (a) Exacerbate (b) Involve (c) Intimidate (d) Lacerate (e) Prevaricate

Q No. 7 INTREPID

- (a) Cold (b) Hot (c) Understood (d) Callow (e) Courageous

Q No. 8 INNOCUOUS

- (a) Not capable (b) Not dangerous (c) Not eager (d) Not frank (e) Not peaceful

Q No. 9 TRANSLUCENT

- (a) Clear (b) Opaque (c) Movement (d) Efficient (e) Telepathy

Q No. 10 BRACKISH

- (a) Careful (b) Salty (c) Chosen (d) Tough (e) Wet

ANTONYMS:

Q No. 11 REPUDIATE

- (a) Hesitant (b) Neutrality (c) Admit (d) Polite (e) Incongruity

Q No. 12 CREDIT

- (a) Believe false (b) Treat as equal (c) Make more difficult (d) Underemphasize (e) Irresolute

Q No. 13 TENACIOUS

- (a) Fast-running (b) Intention (c) Obnoxious (d) Holding fast (e) Irresolute

Q No. 14 PRECIPITATE

- (a) Intricate (b) Devious (c) Posthumous (d) Dilatory (e) Contradictory

Q No. 15 QUIXOTIC

- (a) Slow (b) Abstemious (c) Pragmatic (d) Benevolent (e) Grave

Q No. 16 ADMONITION

- (a) Premonition (b) Hallucination (c) Escape (d) Commendation (e) Trepidation

Q No. 17 PROCLIVITY

- (a) Prodigality (b) Avoidance (c) Credence (d) Calumny (e) Inception

Q No. 18 OMNISCIENCE

- (a) Power (b) Extravagance (c) Magnanimity (d) Conscience (e) Ignorance

Q No. 19 PRECIPITIOUS

- (a) Cooperative (b) Cautious (c) Inaccurate (d) Formal (e) Simplistic

Q No. 20 PROTRACT

- (a) Defy (b) Supplement (c) Postpone (d) Shorten (e) Design

Q No. 11 TANTAMOUNT

- (a) Not negotiable (b) not equivalent (c) Not ambitious (d) Not evident (e) Not relevant

Q No. 12 ABIDE

- (a) Retract an offer (b) Refuse to endure (c) Shield from harm (d) Exonerate (e) Welcome

Q No. 13 PROSPEROUS

- (a) Disengage (b) Impoverished (c) Refute thoroughly (d) Answer hypothetically (e) Consider genuinely

Q No. 14 VOUCHSAFE

- (a) Postpone (b) Dissemble (c) Endanger (d) Prohibit (e) Justify

Q No. 15 CAVIL

- (a) Discern (b) Disclose (c) Introduce (d) Flatter (e) Commend

Q No. 16 BOORISH

- (a) Juvenile (b) Well mannered (c) Weak minded (d) Unique (e) Concealed

Q No. 17 ANTITHETICAL

- (a) Qualitative (b) Unnatural (c) Deceptive (d) Supportive (e)
Noncommittal

Q No. 18 REVILE

- (a) Compose (b) Awake (c) Deaden (d) Praise (e) Secrete

Q No. 19 DESULTORY

- (a) Apologetic (b) Independent (c) Laudatory (d) Questionable (e) Methodical

Q No. 20 ASSUAGE

- (a) Wane (b) Belie (c) Worsen (d) Intervene (e) Presume

Q No. 11 COMPLY

- (a) Simplify (b) Strive (c) Rebel (d) Unite (e) Appreciate

Q No. 12 RETROSPECTION

(a) Introversion (b) Deliberation (c) Anticipation (d) Gregariousness (e)
Equivocation

Q No. 13 HAPLESS

(a) Fortuitous (b) Fortunate (c) Fortifield (d) Forbidden (e) Forestalled

Q No. 14 PRECIPITATE

(a) Intricate (b) Devious (c) posthumous (d) Dilatory (e) Contradictory

Q No. 15 SEDULOUS

(a) Tangential (b) Rampant (c) Esoteric (d) Morose (e) Indolent

Q No. 16 HAMPER

(a) Feed tactfully (b) Animate (c) Facilitate (d) Treat lightly (e) Caution

Q No. 17 URBANE

(a) Civic (b) Remote (c) Deceptive (d) Conventional (e) Naive

Q No. 18 DISINGEOUS

(a) Naive (b) Accurate (c) Hostile (d) Witty (e) Polite

Q No. 19 TRACTABLE

(a) Incoherent (b) Advisable (c) Simplistic (d) Influential (e)
Uncooperative

Q No. 20 PROPITIOUS

(a) Adjacent (b) Clandestine (c) Contentious (d) Unfavourable (e) Coy

2. Quantitative analysis:

All ques were repeated from previous years. Practice all previous years ques and you will sail through by this section only. Prepare the following ques well:

1. Standard deviation problem
2. $g(0)=1$ $g(1)=-1$ $g(6)=?$
3. File transfer in bucket problem
4. Aero plane with latitude and longitude problem
5. River and power cable problem
6. Orthogonal pair problem
7. Power of 2/ power of 3 problem
8. x and y values are given. Relation between them
9. Edges, faces, vertices of a cube
10. Class mark final mark problem
11. Picking odd ones out from computer terms
12. Modular, truncation, round off problem
13. Division of physics terms and finding end unit
14. Word coding
15. Largest prime number to fit in a given bit memory

3. Critical reasoning:

Go through Barron's 12th edition mock tests for reasoning. Go through all the reasoning ques. IGNORE THEM AT YOUR OWN PERIL! Some important passages are:

Model test 1: Section5 - qns 1-4 (motorist), qns 13-16 (red and brown) Section6 - qns 1-4 (conservative,democratic), qns 8-11 (latin, sanskrit), qns 12-18 (joe,larry,ned), qns 19-22 (a causes b)

Model test 2: Section1 - qns 19-22 (wallachia and rumelia) ---i got this qn, but the names were changed as london and paris , and a,b,c etc were changed as french, italian etc.Section6 - qns 8-12 (ashland , liverpool), qns 13-16 (spelunker) ---i got this qn, qns 17-22 (pesth) ---i got this one too

Model test 3: Section6 - qns 1-4 (all Gs are Hs)

Model test 4: Section5 - qns 8-11 (horizontal row), qns 19-22 (a,b,c cause d) Section6 - qns 8-12 (spanish, italian), qns 13-16 (all As, Bs), qns 17-22 (progressive federal party)

Model test 5: Section3 - qns8-11 (museum), qns 19-22 (A is the father) Section7- qns 1-5 (prahtu, brahtu), qns 21-25 (scurvy)

INTERVIEW-

We had just 1 combined tech and HR interview. You might have 2 rounds. For tech interview my sincere advice is that **BE THOROUGH WITH YOUR BRANCH SUBJECTS!** Out of the 4 computer subjects(c, c++, ds and rdbms) prepare any one thoroughly and atleast the basics of other 3.

For HR interview prepare some general ques like:

1. Tell me about yourself
2. Strength and weakness
3. Why TCS
4. Why IT (for non-stream students)
5. Where you see yourself after 5 years
6. Hobbies and interests
7. Your idol and why

INTERVIEW TIPS-

1. Dress properly
2. ALWAYS have a smile on your face
3. Be confident and enthusiastic
4. ALWAYS be polite and humble
5. NEVER bluff. If you don't know something tell them politely
6. ALWAYS try to lead the interview
7. During tech interview, ALWAYS explain them the concept. This will also show them your communication skill.
8. NEVER EVER argue with the interviewer

So friends, **BEST OF LUCK** for your campus recruitment. **BE CONFIDENT AND YOU WILL MAKE IT!**

TCS PAPER ON 26th FEBRUARY 2008

Submit your resume to cvs@123eng.com
www.123eng.com Engineering the Engineers

Hi friendz myself Koushik Karmakar,3rd year ,ECE dept frm KGEC.I wanna share my 1st interveiw experience with u....
TCS did campus recruitment for 2 days,25th & 26th feb.On 25th TCS came at 11am and PPT happend for 2 hours.....then online aptitude test started at 1 pm..
online test was very easy. ther were 3 sections
1)verbal{32 questions==20 min}
2)quantitative{38 questions==40 min}
3)analytical{12 questions==30min}

VERBAL:

10 synonym & 10 antonyms were there.....some of them I can remember they r-----

SYNNONYMS====

- (1) FLORID
- (2) FOIL
- (3) FOMENT
- (4) FOOLHARDY
- (5) FOPPISH
- (6) FORAY
- (7) FORMIDABLE
- (8) FOSTER
- (9) FRANCHISE
- (10) FRITTER

ANTONYMS==

- (11) COMPLY
- (12) CREDIT
- (13) STILTED
- (14) UNGAINLY
- (15) QUIXOTIC
- (16) DISPARITY
- (17) CRITICAL
- (18) SOBRIETY
- (19) RESTIVENESS
- (20) HALLOW

and 2 passages were there 1st one for fill in the blanks & 2nd one for unseen.....

QUANTITATIVE:

for quantitative questions I did most of the recent previous papers from freshersworld.com.....and I got everything common all the questions were very easy.....do practice data interpretation questions from AGGARWAL.....

CRITICAL/ANALYTICAL REASONING:

do practice all the 40 questions from GRE BARRON'S 13th edition.....do solve all the passages having 4 or more than 4 questions.....avoid passages having 1-3 questions...all questions are common from BARRON'S 12th edition.....

on 25th only aptitude happened 233 appeared & 210 cleared.....

next day interview started from 10.30am9 panels were there.....1st CSE 2nd ECE 3rd IT & at last ME's interview happened...

My interview started from 2.10 to approx 2.50pm.....

HR & TECHNICAL happened together

the questions I had been asked were.....

TECHNICAL:

- 1) what is POINTER?.....I explained that with example.....
- 2) what is LINK LIST? how deletion & insertions can be done (only process no algo)?.....I did
- 3) do Quick Sort of a given list.....I did
- 4) do Binary search of a given list.....I did
- 5) what is B-TREE?....I couldn't answer clearly

6)wat is Hashing?

7)do HEAP sort of a given list.....

8)draw the diagram of a DEMULTIPLEXER & DECODER?.....I did

9)Types of COUNTER?how to design synchronous counter?.....I did

10)wat is OP-AMP?.....I did

HR:

1)Tell me something about urself?.....make this answer very well....

2)Why TCS?

3)Are u ready to go TIMBAKTU??...for this question be always positive.and say that ---
I'm ready to go anywhere for TCS

4)Why did u take ECE?.....try to prove that it's the best dept.....

5)R u eager to do Higher studies?

6)wat kind of jobs TCS does???..... visit tcs.com for this kind of questions

7)wat is OUTSOURCEING??.....

For HR question visit e-spark.com.....and prepare those question-answers...I think
that will help a lot..... try to do some MOCK INTERVIEW with ur friendz.....

Our result came out at 1.30 am.....152 students got selected and I'm one of them.....So
Guys & Gals BEST OF LUCK for TCS.....see u in TCS

2007 PLACEMENT PAPERS

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Written test was on 1st Aug. abt 700 students appeared .the test comprised of most questions 4m earlier test paper .there were 3 sets .

for verbal section---

4 this i wud ask u 2 refer d paper of NIT Jamshedpur on 5th july(u'll get this on freshersworld itself).the words were antonyms n synonyms....tawdry,brackish,controvert,scanty,banal,indignity,discretion,meagre,incorrigible,misdemeanour,indigneous,

the aptitude section need just practice of earlier papers...ques like

$g(n)+g(n-1)$...

$t^2/6+5t+3$ find the temperature elapsed between 4am to 9am....

#address of array element in which address of 1st element is given...based on formula
base address+number of bytes req.((no. of rows -1)* no.of columns+(no.of columns-1))...see that it is rowmajor order or column major order

#a simple series problem

#which of d following is an integer type..4 fractions were given

#greatest prime number of 6,7,8,9-bit pattern

($2^6=64$ so, ans is 61 likewise)

#3 ques on pie & bar chart(industrial distribution)

#venn diagram ques (no. of students passed in phy,chem ,maths.....)

#bucket problem.....data packets take 10 milliseconds....20 millisecc to be transferred....

#flight problem...latitude & longitude given....to find the local time

#A n B can do 70 papers in 10 hrs. B alone can do 50 papers in 10 hrs. A alone can do 26 papers in.....(ans-13 hrs)

#velocity*momentum/accln *distance=mass

(see these type ques 4m earlier papers)

#student gets 3&3.5 in class exam & 1.2 & 1.45 in final exam respectively.What might be the class marks of 3rd student who got 0 marks in final exam

#A,B,C are 8-bit binary numbers.....to find (A-B)UC

#find odd one out

a)lisp,java,eiffel,smalltalk(ans-lisp)

b)smtp,arp,wap,http,baan(ans-baan)

c)sql server,ingress,oracle,db2,java(ans-java)

#size of program is given by $4000 *(\text{square root of } N)$.memory is given by sqrt

($100*N$).if size of program is increased by 1%.find % increase in memory(ans-0.5)

#to find base of a number whose decimal equivalent is given

reasoning section comprised of questions exactly 4m GRE Barrons model test papers(12th edition) like

a)motorist...3ways to go from A to C...toll free highway etc...

b)red n brown marriage

- c)all g's are h....
- d)few people speak spanish ,italian....
- e)homer museum....

we had 2 wait a lot....before results were out..few weren't selected 4 the interview.

2nd Aug-tech n HR interview.they adopted 2 methods....some gave combined interview(tech n HR).most gave 2 rounds of interview.

technical Interview--

u can b asked to say abt ur fav subject. so prepare well on those subjects.most ques were 4m c++,dbms,data structures,operating system,c,java.(we r from MCA)

#aggregation(4m dbms)

#deadlock avoidance(banker's algo)

#program of linked list

#friend function,copy constructor,operator overloading,multiple inheritance,virtual function

#types of polymorphism

#normalization

#types of sorting algo

sql queries

#Unix commands

#concurrency control ,authorization ,joins in dbms,diff between dbms n rdbms

#diff between structure n union.wich is better n why

#storage classes

#diff between procedure n function

OOP features,diff between encapsulation n encryption(1st i was confused but then i said these r 2 diff things n i explained...they'll try 2 confuse u)

HR Interview(listen 2 the ppt given by them carefully n u can add points 4m their ppt into ur interview.this sounds good n shows ur sincerity)

#Abt urself(prepare this ques very well coz mind this is d best ques 2 make ur impression on them)

#ur hobbies

why tcs

ur weaknesses

wat u can add 2 r company

#r u ready 4 relocation

#wich technology wud u prefer(like R n D ,appln dev.)

#rate urself on a scale of 1-10

#rate the interviewer

#do u think dat u'll b selected

#if there is year-gap prepare a solid reason

#finally they'll say 2 ask a ques.

the result came on 3rd Aug(at 5.30 pm).finally 285 were selected.we were among those 285.

Your confidence is the only key to get into TCS....So be confident....hope 2 meet u in TCS...

TCS PAPER ON 2nd DECEMBER AT PUNE

Hello Freinds

My Name is Arshad I. Shaikh and i would like to share my expereince during TCS Off-Campus Inteviu. I m student of Dr. D. Y. Patil College.Pimpri and Studying in M.C.S. The Test was on 2nd of December 2007. The written test was at Panchsheel Street,Hadapsar,Pune

They called all the candidates at 8:30 a.m. There were around 600students and they have 100 batches for written test. I was there in campus at 9:30 a.m and my apti batch started on 4:30 in the evening. So i was very tired in their AC room. It was online test consisting of 35 question that u have to solve in 90 min. U would thinks its easy but believe me my freinds it was not so easy. I had completed 14 quest in 1 hr. It consist of max logical question and very few verbal quest. The quest was like

Sample Apti Quest

1)P,Q,R,S,T,U are the students in the class.

P is taller than U, U is shorter than S, S is taller than P,.....(not remember)
Find who is taller one

2)A,B,C are the 3 student that have stolen a camera.

This each student has made 2 statement in which one is speaking true,one is lying and other is giving alternate true and lye

Their Statement are

A: 1) B has stolen camera

2) I m not telling lie

B: 1)C is telling true

2)I have not stolen Camera

C: 1) A is telling lie

2) i m telling truth

Find out who is telling alternate true and lie.

A) A B) B C) C D) Cant Determined.

There were few questions on Trains,Boatstreams,Blood Relations,Verbal

So my advice to you to answer that question that u know very well and in last 10 min answer all your quess questions. There is no Negative Marking. I have scored 14/35. The question are very lengthy and u have answer reading all quest so max time was wasted over there.

Cutoff was 13. It depends on level of complexity in each aptitude.

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After written test they said result in 5 mins.and were given blue form to fill all the personal detailsand said that u will be call for technical round within 7 days. They have given hint that ur technical round will be on your skills written in ur resume. So friends if ur knowing little Java then please dont mention in resume. I was called for Interview on 7th Dec and i was very nervous. when i went to interview ,the interviewer realised that i m nervous he told me that dont be nervous and take this interview as our discussion. He told me that roam in campus for 5 min. and then come u will feal litle bit good. So after 5 min,my tec round started.

He asked about me,background details, academic projects and favourite subject
I told him C and C++ are my favorite subject.

He asked me on How do you gather info for project(answered),what r the parameters(answered),after gather info what u will do(answered).

The he asked me about TCS

Then i impress him much explaining TCS (So prepare well).The interview was 1 and half hr

TCS clients,CMM level, Total Employees,Involved in,Annual revenue,Awarded for,Located at,Vision

TCS vision is Global 10 by 2010 it means right now TCS is on 11th pos on world top company and wants to be in 10 before 2010.

So after tech round Hr Round was very good the hr was only taking confirmation and asked some personal informations.

If u cleared aptitude then u have done 70% if u cleared tecnicl then u have done 95%.

All tech round clear stud have cleared Hr round as well

Then hr said that ur result will be mailed to you within 1 week and we all got confirmation mail that we are selected after 2 weeks.

So total 41 students are selected for TCS and has Training in Chennai for 4 months

And right now i m waiting for Offer letter.

So,Hopes that my experience will help u before appearing for TCS and wish u BEST OF LUCK

MEET ALL OF U IN TCS

TCS PLACEMENT PAPER ON 3rd JUNE AT JNTU

The recruitment procedure 4 tcs:

Online test

Technical Interview

Management Round

HR Interview

Submit your resume to cvs@123eng.com
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ONLINE TEST

The test was conducted after the preplacement talk. You will be given user ids

2 attend the online interview.

Remember your user ids.

4 the online test you need to give your user id. then they will give you a password. logon using that password and your online test starts. the time will be displayed on the screen. the question nos are also displayed on the top right corner of the screen. you can click on any question no and switch over to any question within that section only. the question nos you attempted will become green and the question nos you haven't attempted will remain orange so that you can keep a track of how many you attempted and how many you haven't. Only 1 question will be displayed on the screen. if you attempt the question the next question will be automatically displayed or otherwise if you don't want to attempt it then move on to another one you can do this by clicking on the question no you want

Below every question 5 options will be given choose the correct answer and below these 5 options there are a b c d e options. you have to click here on the correct option and then click on submit. this is a little bit confusing so you can practise by taking a sample online test. before starting the online test you will be guided with a sample online test. don't worry

You have 3 sections in the online test:

1. VERBAL SECTION

this section consists of 28 questions. you have 20 minutes to answer in 20 minutes. keep track of time. (28 marks)

You will have 10 antonyms 10 synonyms a small passage with blanks and a reading comprehension (RC). 4 blanks options will be given you have to choose the right one. check whether your answer is the blank and the right question no

For example the 5 olympic rings are of-----1-----colours. they are -----2----- and -----3-----and-----

Here if you want to answer blank 1 click on question no 1 and answer if you want to answer blank 3 you have to go to question no 3.

Do the same with reading comprehension. If there are 5 questions 4 are reading comprehension all the questions are not displayed at a time. each question will be displayed one after the other but the passage will be displayed and every question need not worry

NOTE: For synonyms prepare gre barrons (12th or 11th or 13th edition) d qstns dat appear after every word list (ie exercises at d end which r multiple choice ones)

For antonums prepare d chapter on antonyms in gre barrons n d antonym qstns in d model papers .4 rcs prepare d same barrons especially dat 4m d model papers.4 blanks also prepare gre.but u may not get dem 4 sure.rcs antonyms n synonyms r 4 sure

2.QUANTITATIVE APTITUDE

u hav 2 solv 32 qstns in 40 mins(32marks)

4 dis section prepare old papers sometimes ull get dem withot changing nomericals also dis section is very easy

1st prepare d qstns below den ull definitely get a gud score 4 apti

AGES

- 1)Last year pandit was thrice his sister's age.Next year he is only twice her age.After 5 years what is pandit's age.
a)2 b)12 c)11 d)14 ans:b
- 2) Jalia is twice older than qurban . If jalia was 4 years younger, qurban was 3 years older ther diff. between their ages is 12 years
what is the sum of thier ages a)67 b)57 c)36 d)none ans: b
- 3) Fathers age is 5 times his son's age. 4 years back the father was 9 times older than son.Find the fathers' present age. Ans. 40 years
- 4)Joe's father will be twice his age 6 years from now. His mother was twice his age 2 years before. If Joe will be 24 two years from now, what is the difference between his father's and mother's age? a) 4 b) 6 c) 8 d) 10

ALLIGATION

- 1).In a mixture, R is 2 parts, S is 1 part. In aoder to make S to 25% of the mixture, howmuch R is to be added?

AVERAGE

- 1) gavaskar average in first 50 innings was 50 . after the 51st innings his average was 51 how many runs he made in the 51st innings
- 2) Hansie made the following amounts in seven games of cricket in India: Rs.10, Rs.15, Rs.21, Rs.12, Rs.18, Rs.19 and Rs.17(all figures in crores of course).Find his average earnings.Ans. Rs.16 crore
- 3)Average of 5 number is -10 sum of 3 numbers is 16,what is the average of other two numbers? answer -33

4) THREE COMPANIES WORKING INDEPENDENTLY AND GET SAVINGS 10%, 20%, 25%. IF THE COMPANIES WORK JUST OPPOSITE THEN WHAT WILL BE THE NET SAVING?

5) If A, B and C are the mechanisms used separately to reduce the wastage of fuel by 30%, 20% and 10%. What will be the fuel economy if they were used combined. Ans 20%

BOATS

1) If a man can swim downstream at 6kmph and upstream at 2kmph, his speed in still water is: a. 4kmph b. 2kmph c. 3kmph d. 2.5kmph

CAR

1) A car is filled with four and half gallons of oil for full round trip. Fuel is taken 1/4 gallon more in going than coming. What is the fuel consumed in coming up?

Sol Before the trip, car is filled with = $4 \frac{1}{2}$ gallon of oil

Let 'X' be the quantity of fuel consumed for the trip in one direction

The fuel consumed while going = $X + \frac{1}{4}$

The fuel consumed while coming = X

Therefore, the fuel consumed for the trip = $(X + \frac{1}{4}) + X = 4 \frac{1}{2}$

$\delta 2X + \frac{1}{4} = 4 \frac{1}{2} \Rightarrow 2X = 4 \frac{1}{2} - \frac{1}{4} \Rightarrow 2X = 4 \frac{1}{4} \Rightarrow X = 2$ gallons approx

CHAIN RULE

1) A can copy 50 papers in 10 hours while both A & B can copy 70 papers in 10 hours. Then for how many hours required for B to copy 26 papers? 13

CHESS BOARD

1) in 8*8 chess board what is the total number of squares refer odel ans:204

CODING

1) THERE IS A WORD 'PERLMENTASITION'.. IF 1ST AND 2ND ,3RD & 4TH WORDS ARE CHANGED AND SO ON, THEN FIND THE 14TH LETTER FROM RIGHT AFTER CHANGE.

2) If TAFJHH is coded as RBEKGI then RBDJK can be coded as ----- ans qeckj

3) a series of letters are given how many Ws r followed by F and preceded by T.

12.SURFW Code is translated as SHEET.....these kinda ques r there.....

4) Code Interchanging, A word is given.... Letters are reversed..u r asked to find the nth letter from right or left....

Eg. DESTABILIZATION Ans-T

5) BFGE CODED AS CEHD THEN CODE PVHDJ ANS: QUICK

6) FIND THE NO. OF Y FOLLOWED BY W BUT THAT IS NOT FOLLOWED BY Z.
Y W R U D D Y W Z

7) If VXUPLVH is written as SURMISE, what is SHDVD ?

Ans. PEASA (hint: in the first word, the alphabets of the jumbled one is three alphabets after the corresponding alphabet in the word SURMISE. S = V-3, similarly find the one for SHDVD)

If DDMUQZM is coded as CENTRAL then RBDJK can be coded as ----

Ans. QCEIL (hint: Write both the jumbled and the coded word as a table, find the relation between the corresponding words, i.e C= D-1, N=M+1 & so on

9) In the word ECONOMETRICS, if the first and second, third and fourth, fourth and fifth, fifth and sixth words are interchanged up to the last letter, what would be the tenth letter from right?

Ans. word is CENOMOTEIRSC tenth word is R

10) If D_MUQZM is coded as CENTRAL then RBDJK can be coded as

11) In a certain format TUBUJPO is coded as STATION. The code of which string is FILTER?

12) What is the code formed by reversing the first and second letters, the third and fourth letters and so on of the string SIMULTANEOUSLY?

13) In the word ORGANISATIONAL, if the first and second, third and fourth, fourth and fifth, fifth and sixth words are interchanged up to the last letter, what would be the tenth letter from right?

ANS: I(ROANISATIONALG)

COST

1) A power unit is there by the bank of the river of 750 meters width. A cable is made from power unit to power a plant opposite to that of the river and 1500mts away from the power unit. The cost of the cable below water is Rs. 15/- per meter and cost of cable on the bank is Rs.12/- per meter. Find the total of laying the cable. Ans 1000 (24725 - cost) 20250 Ans. Rs. 22,500 (hint: the plant is on the other side of the river i.e. it is not on the same side as the river)

2) The cost of one pencil, two pens and four erasers is Rs.22 while the cost of five pencils, four pens and two erasers is Rs.32. How much will three pencils, three pens and three erasers cost? Ans. 27

3) 2 oranges, 3 bananas and 4 apples cost Rs.15. 3 oranges, 2 bananas, 1 apple costs Rs 10. What is the cost of 3 oranges, 3 bananas and 3 apples? Ans Rs 15.

4) A shopkeeper bought a watch for Rs.400 and sold it for Rs.500. What is his profit percentage? Ans. 25%

5) What percent of 60 is 12? Ans. 20%

6) Three men go to a hotel to stay, the clerk says \$30 per room/day so all the three plan to stay in one room so each pays \$10. After some time the clerk realises that he made a mistake of collecting \$30 but the room cost only \$25, therefore he decides to return \$5 to them so he calls the roomboy and gives him \$5 asking him to return. The roomboy keeps \$2 with him and he returns only \$3 (\$1 for each). Now totally all have paid \$9 each (\$27) + roomboy \$2 which is equal to \$29. Where did \$1 go, who has made the mistake?

7) Two pencils cost 8 cents. Then 5 pencils cost? (20 cents) A box of 150 packets consists of 1kg packets and 2kg packets. Total weight of box is 264kg. How many 2kg packets are there

a) 96 b) 67 c) 100 d) 114 ans: d

9) Which is more economical of the following

a) 2kg -- 30/- b) 8kg -- 160/- c) 5kg -- 80/-

10) Satish earns 240 weekly. 12% of his amount + earning weekly = 540 what is the big amount

a) 3200 b) 3600 c) 2500 d) 1000 ans: c

- 11) Bhanu spends 30% of his income on petrol on scooter. $\frac{1}{4}$ of the remaining on house rent and the balance on food. If he spends Rs.300 on petrol then what is the expenditure on house rent? a) Rs.525 b) Rs.1000 c) Rs.675 d) Rs.175
- 12) A sporting goods store ordered an equal number of white and yellow balls. The tennis ball company delivered 45 extra white balls, making the ratio of white balls to yellow balls $\frac{1}{5} : \frac{1}{6}$. How many white tennis balls did the store originally order for?
a) 450 b) 270 c) 225 d) None of these
- 13) There is a circular pizza with negligible thickness that is cut into 'x' pieces by 4 straight line cuts. What is the maximum and minimum value of 'x' respectively?
a) 12,6 b) 11,6 c) 12,5 d) 11,5
- 14) The total expense of a boarding house are partly fixed and partly variable with the number of boarders. The charge is Rs.70 per head when there are 25 boarders and Rs.60 when there are 50 boarders. Find the charge per head when there are 100 boarders.
a) 65 b) 55 c) 50 d) 45

COUNTERFEIT

1) in 80 coins one coin is counterfeit what is minimum number of weighings to find out counterfeit coin

CUBE

1) vertices edges and surfaces of a cube Ans-8,12,6

CURVES

1) STUDY THE NATURE OF THE CURVES $Y = \log X$, $XY = C$ etc

2) curve was given & in option equation was given, you have to mark the correct equation (curve and equation was of general $\log x$, e^x , $\sin x$, $\cos x$, $\tan x$, x curves)

3) values of x & $f(x)$ was given (like $x=1000$ & $f(x)=3$) and equations was given

4) WHICH SHAPE WILL BE OBTAINED BY USING THESE VALUES OF X, Y
X Y

0 0.00001

10 1.02

100 1.72

1000 3.00

9999 4.72

4a) WHICH SHAPE WILL BE OBTAINED BY USING THESE VALUES OF X, Y
XY

00.00001

101.02

1001.72

10003.00

99994.72

5) WHICH EQUATION THAT BEST SUITS THIS CURVE

A LINE CUTS X AT -1 WHEN Y=0 AND X=0 WHEN Y=3 AND GOES UPWARD
Y

X

DATA INTERPRETATION

1) CORRECT CHART WITH CORRECT VALUES

X- YEAR Y- NO OF PERSONS

1. AVERAGE NO. OF PERSONS FROM 1995 – 1999
2. WHICH YEAR HAS LARGE DIFFERENCES IN NO OF PERSONS
3. IF 10% OF PEOPLE LEAVES THE OFFICE IN 1998 THEN, HOW MANY FRESH CANDIDATES CAN BE ADDED IN THE NEXT YEAR

2) Given a Bar Chart showing the sales of a company. (In Figure) The sales in years as shown in the figure are (in crores) 1998-1999 - 130, 1997-1998 - 90, 1996-1997 - 90, 1995-1996 - 70

1. The highest growth rate was for the year Ans. 1998-1999
2. The net increase in sales of the company in the year span of 1995-1999 Ans. 60 crores.
3. The lowest growth rate was for the year Ans. 1997
4. Year 95 96 97 98 99 Members 100 170 105 0

i) Which year has maximum members growth?

M 100

1

E

M 70

10

B 60

E 50

R Year

S 95 96 97 98

i) Which year has maximum members growth?

DEGREES

1) TIME DEGREE

27(deg) 6' 43.15"

45(deg) 31' 4.3"

THEN WHAT WILL BE THE DEGREE WHEN TIME IS 3 O CLOCK

DIRECTIONS

1) A Flight takes off at 2 A.M from northeast direction and travels for 11 hours to reach the destination which is in north west direction. Given the latitude and longitude of source and destination. Find the local time of destination when the flight reaches there? 7 AM or 1.00 PM

2) My flight takes off at 2am from a place at 18N 10E and landed 10 Hrs later at a place with coordinates 36N70W. What is the local time when my plane landed.

a) 6:00 am b) 6:40am c) 7:40 d) 7:00 e) 8:00 (Hint : Every 1 deg longitude is equal to 4 minutes . If west to east add time else subtract time) Ans 8:00

3) A moves 3 kms east from his starting point . He then travels 5 kms north. From that point he moves 8 kms to the east. How far is A from his starting point? Ans. 13 kms

- 4) Aeroplane is flying at a particular angle and latitude, after some time another latitude is given..(8 hrs later), u r asked to find the local time of the place.
- 5) AN AEROPLANE STARTS FROM A (SOME LATITUDE IS GIVEN ACCORDING TO PLACE) AT 2 AM LOCAL TIME TO B (SOME LATITUDE). TRAVELLING TIME IS 10 HOURS. WHAT IS THE LOCAL TIME OF B WHEN IT REACHES B
- 6) A plane moves from $9^{\circ}\text{N}40^{\circ}\text{E}$ to $9^{\circ}\text{N}40^{\circ}\text{W}$. If the plane starts at 10 am and takes 8 hours to reach the destination, find the local arrival time.
- 7) A FILE IS TRANSFERRED FROM A PLACE TO A DESTINATION CAPABLE OF 10 KB . THEY GIVEN SOME RATE OF TRANSFER. U HAVE FIND A EQUATION THAT BEST SUIT THIS.

FROG

- 1) In a well of 20 feet depth, a frog jumps 5 feet up in the morning and comes 4 feet down in the evening, on which day the frog gets out of the well.

GAMES

- 1) In some game 139 members have participated every time one fellow will get by what is the number of matches to choose the champion to be held? ans: 138
- 2) A & B are playing a game . There are 8 oranges in a row on the table. one Player can take 1-4 oranges in a pick (a maximum of 4), one who picks the last orange wins the game. 'A' plays first How many oranges should he pick first time in order to win the game. answer 3.

LCM

- 1) LCM of x and y is 36 and HCF of x and y is 4. If $x = 4$ then which of the following is definitely not true?
a) Y is divisible by 3 b) Y is divisible by 6 c) Y is divisible by 9 d) X+Y is divisible by
- #### LOGARITHMS
- 1) $\log .342 = \dots$, $\log .343 = \dots$ then $\log .341 = \dots$ etc...
 - 2) value of $\log 3.142$ & $\log 3.143$ was given and $\log 3.141$ was asked so you have to only see on answer and mark
 - 3) If $\log 0.317 = \dots$ and $\log 0.318 = \dots$. Then find the value of $\log 0.319$.

MATCH

- 1) Match the following:
 1. Male - Boy ---> a. A type of
 2. Square - Polygon ---> b. A part of
 3. Roof - Building ---> c. Not a type of
 4. Mushroom - Vegetables ---> d. A superset ofAns: 1- d, 2- a, 3- b, 4- c
- 2) Match the following.
 1. brother - sister ---> a. Part of
 2. Alsatian - dog ---> b. Sibling
 3. sentence - paragraph ---> c. Type of
 4. car - steering ---> d. Not a type ofAns. 1-b, 2-c, 3-a, 4-d

- 3)SCOOTER ----- AUTOMOBILE A. A PART OF
 - 2.OXYGEN----- WATER B. A Type of
 - 3.SHOP STAFF----- FITTERS C. NOT A TYPE OF
 4. BUG -----REPTILE D. A SUPERSET OF
- 4)MATCH THE FOLLOWING

A B

1. SENTENCE, PARAGRAPH 1. TYPE OF
2. BASMATI, WHEAT 2. A PART OF
3. BROTHER, SISTER 3. NOT A TYPE OF
4. BREIGAL, DOG 4. SIBLING

ANS: 1-> 2 2->1 3->3 4->4

MATHEMATICAL SYMBOLS

- 1) Given \$ means Tripling and % means change of sign then find the value of $6 - 6\% - 6\%$ ANS : -72
- 2) $5 - \frac{5}{5}$ Ans-30 (Check)
- 3) WHAT IS THE VALUE OF $\frac{5}{\frac{1}{5}} + \frac{2}{\frac{1}{2}}$ WHERE % - DOUBLING #-RECIPROCAL
- 4)Find the value of $(\sqrt{25})^2 + (\sqrt{16})^2$, where @ denotes "square" and + denotes "square root". Ans: 621 or 121

MATRIX

- 1)Find the singularity matrix from a given set of matrices?(Hint $\det(A) = 0$)

MEMORY

- 1)If the vertex (5,7) is placed in the memory. First vertex (1,1) 's address is 1245 and then address of (5,7) is -----1279
- 2)A 2D array is declared as A[9,7] and each element requires 2 byte. If A[1,1] is stored in 3000. Find the memory of A[8,5] ? 3106
- 3)one circular array is given (means the memory allocation takes place like a circular fashion)dimension (9X7) .starting address is 3000.find the address of (2,3)..555
- 4)Some has got the qs. As memory allocation takes place coloumnwise.u have to find out the address.
- 5)The size of a program is N. And the memory occupied by the program is given by $M = \sqrt{100N}$. If the size of the program is increased by 1% then how much memory now occupied? Ans 0. 5%($\sqrt{101N}$)
- 6)In a two-dimensional array, X (9, 7), with each element occupying 4 bytes of memory, with the address of the first element X (1, 1) is 3000, find the address of X (8, 5). Ans 3212

MIXTURE

- 1)16 litre can, 7 litre can,3 litre can,the customer has to be given 11 litres of milk using all the three cans only explain?

NUMBER SYSTEM

- 1) The number 362 in decimal system is given by $(1362)_x$ in the X system of numbers find the value of X a) 5 b) 6 c) 7 d) 8 e) 9
- 2) Decimal no 319 is equal to 1234. This 1234 belongs to which Number systems
- 3) $194_{\text{base } 10} = \underline{\hspace{2cm}}_{\text{base } 5}$ (1234)
- 4) In which of the system, decimal number 194 is equal to 1234? ANS: 5
- 5) Convert the decimal number 310 to the base 6. Ans: 1234
- 6) Find the value of the decimal number to the base 7. Ans. 1436.
- 7) In which of the system, decimal number 384 is equal to 1234?
- In which of the system, decimal number 184 is equal to 1234? Ans 5
- 9) Find the value of the 678 to the base 7. ans 1656
- 10) The base 5 representation of the decimal number 2048 is .

ODD MAN OUT

- 1) LINUX, WINDOWS 98, SOLARIS, SMTP (ANS: SMTP)
- 2) MVS
- 3) JAVA b) LISP c) Smalltalk d) Eiffle Ans: LISP (All other languages are OOPS)
- 4) 1. http 2. arp 3. snmp 4. sap Ans- sap
- 5) 1. linux 2. windows NT 3. sql server 4. Unix Ans- Sql server
- 6) 1. SAP 2. ARP 3. WAP 4. TCP IP
- 7) a. Oracle b. Linux c. Ingress d. DB2
- a. SMTP b. WAP c. SAP d. ARP Ans: SAP
- 9) a. WAP b. HTTP c. BAAN d. ARP Ans: Baan
- 10) a. LINUX b. UNIX c. SOLARIS d. SQL SERVER Ans: SQL SERVER
- 11) a. SQL b. DB2 c. SYBASE d. HTTP Ans: HTTP
- 12) a. Oracle b. Linux c. Ingress d. DB2 ANS: LINUX

ORTHOGONAL PAIRS

- 1) Which of the following are orthogonal pairs? a. $3i+2j$ b. $i+j$ c. $2i-3j$ d. $-7i+j$ ans a,c
- 2) (a) $2+3i$ (b) $1+i$ (c) $3-2i$ (d) $1-7i$.Find which of the above is orthogonal. Ans a,c
- 3) Sum of slopes of 2 perpendicular st. lines is given. Find the pair of lines from the given set of options which satisfy the above condition?

PARTNERSHIP

- 1) If Rs.1260 is divided between between A, B and C in the ratio 2:3:4, what is C's share? Ans. Rs. 560
- 2) A sum of money is divided among A, B and C such that for each rupee A gets, B gets 65paise and C gets 35paise. If C's share is Rs.560, the sum is ...
a) 2400 b) 2800 c) 3200 d) 3800

PERCENTAGE

- 1) What percent of 60 is 12? Ans. 20%
- 2) A report consists of 20 sheets each of 55 lines and each such line consists of 65 characters. This report is retyped into sheets each of 65 lines such that each line consists of 70 characters. The % reduction in the number of sheets is closest to
a) 20 b) 5 c) 30 d) 35

- 3) Amal bought 5 pens, 7 pencils and 4 erasers. Rajan bought 6 pens, 8 erasers and 14 pencils for an amount which was half more than what Amal had paid. What % of the total amount paid by Amal was paid for pens?
a)37.5% b)62.5% c)50% d)None of these

PERMUTATIONS

- 1)How many 3 digits with 3 Distinct digits are there from 100-1000.

POWER OF

- 1)What is the power of 2? a. 2068 b.2048 c.2668 Ans:2048
2) 8 to the power of x is 32,what is the value of x?
3)Which is a/not a power of 2 or 3.
4)Power of 4 Ans-4096
5)WHICH ONE WILL BE THE EXACT POWER OF 3
(i) 2768 (ii)2678 (III) 2187

PRIME NUMBERS

- 1)Find the highest prime number that can be stored in an 8bit computer.
2)What is the max possible 3 digit prime number? Ans 997
3)Largest prime no. in a 6 bit,8 bit (Ans 127),9 bit microprocessor
4)WHAT IS THE LARGEST PRIME NO THAT IS STORED IN 8 BIT PATTERN
ANS: 253 (NOT SURE)
5)What is the largest prime number that can be stored in an 8-bit memory? 251 or 127
6)Which is the largest prime number that can be stored in a 9-bit register?

PROBABILITY

- 1)in a company 30% are supervisors and 40% employees are male if 60% of supervisors are male. what is the probability that a randomly choosen employee is a male or female?
2) 12 Blacksox and 12 Whitesox mixed in a box,a pair of sox is picked at a time,in which pick/how many pick ,to get the right pair(black&black or white&white)?
3)Two coins one with HEAD IN BOTH SIDES and the other coin HEAD IN ONE SIDE AND TAIL IN THE OTHER SIDE is in a box,a coin is taken at random and FOUND HEAD IN ONE SIDE .what is the probability that THE OTHER SIDE IS HEAD?
4) There are 5 distinct pairs of white socks and 5 pairs of black socks in a cupboard. In the dark, how many socks do I have to pull out to ensure that I have at least 1 correct pair of white socks? a)3 b)11 c)12 d)16

PROBLEMS ON NUMBERS

- 1)What number should be added to or subtracted from each term of the ratio 17 : 24 so that it becomes equal to 1 : 2.Ans. 10 should be subtracted
2)The sum of the digits of a two digit number is 8. When 18 is added to the number, the digits are reversed. Find the number?Ans. 35

3) In a fraction, if 1 is added to both the numerator and the denominator, the fraction becomes $\frac{1}{2}$. If numerator is subtracted from the denominator, the fraction becomes $\frac{3}{4}$. Find the fraction. Ans. $\frac{3}{7}$

4) WHAT IS THE NUMBER OF ZEROS AT THE END OF THE PRODUCT OF THE NUMBERS FROM 1 TO 100

5) $\frac{9}{10}$ or $\frac{10}{11}$ which is greater.

6) $(\frac{x-y}{3}) - (\frac{y-x}{3}) = ?$

7) $x:y=3$ and $x+y=80$ what is the value of y ? answer $y=20$ M(893,10)+r()+t() is asked

9) $n=68 \times 12 \times 51$ Which of the follg is not an integer Ans- $n/122$

10) M(373, 7) + R(6. -T(3.4) + R(3.4)

11) SOME RELATION THAT IS DEDUCE TO

A (POW 2) DIRECT PROPORTIONAL TO X (POW 3)

B (POW 2) DIRECT PROPORTIONAL TO Y (POW 3)

SOME FOUR ANSWERS WERE GIVEN

ANS: ALL OF THE ABOVE

12) WHICH IS THE PERFECT ONE AMONG THE 4

1. $2x + 3y = 4$ 2. $x + y = -1$ 3. $Y = 2x + 3$

13) A salesperson multiplied a number and get the answer 3, instead of that number divided by 3. what is the answer he actually has to get?

$1 \times 3 = 3$ so number = 1 divided by 3, the ans. is $\frac{1}{3}$.

14) M(373,5)+R(3.4)+T(7.7)+R(5. Ans. 19

15) If the numerator of a fraction is increased by 25% and denominator decreased by 20%, the new value is $\frac{5}{4}$. What is the original value?

a) $\frac{3}{5}$ b) $\frac{4}{5}$ c) $\frac{7}{8}$ d) $\frac{3}{7}$

16) The value of $\frac{3}{4} + \frac{5}{36} + \frac{7}{144} + \dots + \frac{17}{5184} + \frac{19}{8100}$ is

a) 0.99 b) 0.98 c) 0.95 d) None of these

17) A student's grade in a course is determined by 6 quizzes and one examination. If the examination counts thrice as much as each of the quizzes, what fraction of final grade is determined by the examination?

a) $\frac{1}{6}$ b) $\frac{1}{5}$ c) $\frac{1}{3}$ d) $\frac{1}{4}$

1) When $\frac{3}{4}$ of a unit's digit is added to the ten's digit of a two number, the sum of the digits becomes 10. If $\frac{1}{4}$ of the ten's digit added to the unit's digit, then the sum of the digits is 1 less than the previous. Find the number.

a) 94 b) 84 c) 48 d) 88

19) A person had to multiply two numbers. Instead of multiplying by 35, he multiplied by 53 and the product went up by 540. What was the raised product?

a) 780 b) 1040 c) 1590 d) 1720

RECTANGULAR

1) WHICH IS NOT A SIDE OF A RECTANGULAR

1. (2,3,4) 2. (3,4,7) 3. (3,5,9)

2) ONE RECTANGULAR PLATE WITH LENGTH 8 INCHES, BREADTH 11 INCHES AND 2 INCHES THICKNESS IS THERE. WHAT IS THE LENGTH OF THE CIRCULAR ROD WITH DIAMETER 8 INCHES AND EQUAL TO VOLUME OF RECTANGULAR PLATE? ANS: 3.5 INCHES

- 3) If the length of a rectangle is increased by 30% and the width is decreased by 20%, then the area is increased by...
(a) 10% (b) 5% (c) 4% (d) 20% (e) 25%
- 4) The length of a rectangle is increased by 60%. By what % would the width have to be decreased to maintain the same area? a)30% b)60% c)75% d)37.5%

RECURSION

- 1) $G(0) = -1$, $G(1) = 1$, $G(N) = G(N-1) - G(N-2)$, $G(5) = ?$ ans - 2
- 2) $G(0) = 1$, $G(1) = -1$ IF $G(N) = 2 * (G(N-1)) - 3(G(N-2))$ THEN WHAT IS THE VALUE OF $G(4)$?
- 3) If $f(0) = 1$ and $f(n) = f(n-1) * n$, find the value of $f(4)$. Ans: 24
- 4) If $g(0) = g(1) = 1$ and $g(n) = g(n-1) + g(n-2)$ find $g(6)$;

SERIES

- 1) Complete the series. 3, 8, --, 24, --, 48, 63 . ans 15, 35
- 2) Complete the series. 4, -5, 11, -14, 22, --- Ans - 27
- 3) SERIES: 2, 7, 24, 77, ? (238) or (240)
- 4) 77, 49, 36, 18, ? answer 8 ($7*7=49$)($4*9=36$)($3*6=1$)($1*8=$
- 5) series: 5 6 7 8 10 11 14 ?? ans. 15 or 18
- 6) 15 14 12 11 ?? 9 8 ans. 10
- 7) What is the 12th term of the series 2, 5, 8, Ans. 35
- 8) 58, 27, 12, x, 2, 1. Find x.
- 9) 7, 9, 13, __, 27, 37. Ans-19
- 10) 2, 5, __, 19, 37, 75 Ans: 9
- 11) Complete the sequence 9, 10, 11, 13, 15, __, 21, 28.

SET

- 1) A, B and C are 8 bit nos. They are as follows:
A 1 1 0 1 1 0 1 1
B 0 1 1 1 1 0 1 0
C 0 1 1 0 1 1 0 1
Find $((A-B) \cup C) = ?$ Hint : 109 A-B is $\{A\} - \{A \cap B\}$ ANS: 0 1 1 1 1 1 1 1 (DB)
- 2) If A, B and C are the mechanisms used separately to reduce the wastage of fuel by 30%, 20% and 10%. What will be the fuel economy if they were used combined. Ans 20%
- 3) | A | 1 | 0 | 0 | 1 | 0 | 0 | 0 | 1 | 10010001
| B | 0 | 1 | 1 | 0 | 1 | 0 | 1 | 0 | 01101010
| C | 1 | 0 | 0 | 1 | 0 | 1 | 1 | 0 | 10010110
 $(A \cup B) \cap C = ?$ [(A union B) intersection C = ?]
- 4) A 0 0 0 0 1 1 1 1
B 0 0 1 1 0 0 1 1
C 0 1 0 1 0 1 0 1
(A U B) P C Find the fourth row, having the bit pattern as an integer in an 8-bit computer, and express the answer in its decimal value. Ans. 29

5) In the class of 40 students, 30 speak Hindi and 20 speak English. What is the lowest possible number of students who speak both the languages?

(a) 5 (b) 20 (c) 15 (d) 10 (e) 30

6) You will be given the bit position values for A, B and C and using the relation $(A \oplus B) \cup C$ you have to construct the truth table. Then find the corresponding decimal number and choose the right option.

7) If $A = (110010)$ in base 2 & $B = (101011)$ in base 2, then what is the decimal value of $(AB)C$

SHADOW

1) A building with height D shadow upto G. A neighbour building with what height shadows C feet.

|----|----|----|----|----|----|

A B C D E F G H

Sol: B Ft. or CD/G

SOLUTIONS

1) How many positive integer solutions does the equation $2x + 3y = 100$ have?

a) 50 b) 33 c) 16 d) 35

STANDARD DEVIATION

1) Which of the following set of numbers has the highest Standard deviation?

a) 1,0,1,0,1,0 b) -1,-1,-1,-1,-1,-1 c) 1,1,1,1,1,1 d) 1,1,0,-1,0,-1

2) WHICH WILL GIVE GOOD STANDARD DEVIATION

1. (7,0,-7,0,7) 2. (7,-7,7,-7,7) 3. (1,0,-1,0,1)

TANK

1) with $\frac{4}{5}$ full tank vehicle travels 12 miles, with $\frac{1}{3}$ full tank how much distance travels (5 miles)

2) A car travels 12 kms with a $\frac{4}{5}$ th filled tank. How far will the car travel with $\frac{1}{3}$ filled tank? Ans. 5 kms

TEMPERATURE

1) In Madras, temperature at noon varies according to $-t^2/2 + 8t + 3$, where t is elapsed time. Find how much temperature more or less in 4pm to 9pm. (May be we can solve it by Definite Integration. Check any way) Ans. At 9pm 7.5 more or 385.8(DB)

2) FOR TEMPERATURE A FUNCTION IS GIVEN ACCORDING TO TIME : $((t^2)/6) + 4t + 12$ WHAT IS THE TEMPERATURE RISE OR FALL BETWEEN 4.AM TO 9 AM

2) FOR TEMPERATURE A FUNCTION IS GIVEN ACCORDING TO TIME : $((t^2)/6) + 4t + 12$ WHAT IS THE TEMPERATURE RISE OR FALL BETWEEN 5 PM to 8 PM

3) Low temperature at the night in a city is $\frac{1}{3}$ more than $\frac{1}{2}$ high as higher temperature in a day. Sum of the low tem. and highest temp. is 100 degrees. Then what is the low temp? (40 deg.)

TIME AND DISTANCE

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1) A is driving on a highway when the police fines him for overspeeding and exceeding the limit by 10 km/hr. At the same time B is fined for overspeeding by twice the amount by which A exceeded the limit. If he was driving at 35 km/hr what is the speed limit for the road? Ans. 15 kmph

2) A car travels 12 kms with a $\frac{4}{5}$ th filled tank. How far will the car travel with $\frac{1}{3}$ filled tank? Ans. 5 kms

3) falling height is proportional to square of the time. one object falls 64cm in 2sec than in 6sec from how much height the object will fall.

4) A car has run 10000 miles using 5 tyres interchangably, To have a equal wornout by all tyres how many miles each tyre should have run. answer 4000 miles/tyre

5) A person, who decided to go to weekened trip should not exceed 8 hours driving in a day. Average speed of forward journey is 40 m/h. Due to traffic in sundays, the return journey average speed is 30 m/h. How far he can select a picnic spot?

a) 120 miles b) between 120 and 140 miles c) 160 miles ans: 120 miles

6) A ship started from port and moving with I miles per hour and another ship started from L and moving with H miles per hour. At which place these two ships meet?

|----|----|----|----|----|----|

port G H I J K L

7) A person was fined for exceeding the speed limit by 10mph. Another person was also fined for exceeding the same speed limit by twice the same. If the second person was traveling at a speed of 35 mph, find the speed limit.

Sol: Let 'x' be the speed limit

Person 'A' was fined for exceeding the speed limit by = 10mph

Person 'B' was fined for exceeding the speed limit by = twice of 'A' = $2 \times 10\text{mph} = 20\text{mph}$

given that the second person was traveling at the speed of 35mph

$\Rightarrow 35\text{mph} - 20\text{mph} = 15\text{mph}$

A bus started from bustand at 8.00am, and after 30 minutes staying

at destination, it returned back to the busstand. The destination

is 27 miles from the busstand. The speed of the bus is 18mph. In

return journey bus travels with 50% fast speed. At what time it returns to the busstand?

(11.00am).

9) wind flows 160 miles in 330 min, for 80 miles how much time required.

10) A storm will move with a velocity of towards the centre in hours, At the same rate how much far will it move in hrs. (but the answer is $\frac{8}{3}$ or $2\frac{2}{3}$)

11) If A is traveling at 72 km per hour on a highway. B is traveling at a speed of 25 meters per second on a highway. What is the difference in their speeds in meters per second?

(a) $\frac{1}{2}$ m/sec (b) 1 m/sec (c) $1\frac{1}{2}$ m/sec (d) 2 m/sec (e) 3 m/sec

12) A traveler walks a certain distance. Had he gone half a kilometer an hour faster \, he would have walked it in $\frac{4}{5}$ of the time, and had he gone half a Kilometer an hour slower, he would have walked $2\frac{1}{2}$ hr longer. What is the distance?

a) 10 Km b) 15 Km c) 20 Km d) Data Insufficient

13) A ship leaves on a long voyage. When it is 18 miles from the shore, a seaplane, whose speed is 10 times that of the ship is sent to deliver mail. How far from the shore does the seaplane catch upo with the ship?

a)24 miles b)25 miles c)22 miles d)20 miles

14) In a circular race track of length 100 m, three persons A, B and C start together. A and B start in the same direction at speeds of 10 m/s and 8 m/s respectively. While C runs in the opposite at 15 m/s. When will all the three meet for the first time on the after the start?

a)after 4s b)after 50s c)after 100s d)after 200s

15) If the distance traveled (s) in time (t) by a partile is given by the formula $s = 1 + 2t + 3t^2 + 4t^3$, then what is the distance travelled in the 4th second of its motion?

a)141m b)171m c)243 m d)313 m

16) A non stop bus to Amritsar overtakes an auto also moving towards Amritsar at 10 am. The bus reaches Amritsar at 12.30 pm and starts on the return journey after 1 hr. On the way back it meets the auto at 2 pm. At what time the auto will reach Amritsar?

a) 2.30pm b)3.00pm c)3.15pm d)3.30pm

TIME AND WORK

1)A is twice efficient than B. A and B can both work together to complete a work in 7 days. Then find in how many days A alone can complete the work? 10.5 (11)

2)A finish the work in 10 days. B is 60% efficient than A. So how days does B take to finish the work? Ans 100/6 (4 days)

3) A finishes the work in 10 days & B in 8 days individually. If A works for only 6 days then how many days should B work to complete A's work? Ans 3.2 days (4 days)

4)A man, a woman, and a child can do a piece of work in 6 days. Man only can do it in 24 days. Woman can do it in 16 days and in how many days child can do the same work? Ans 16

5)If 20 men take 15 days to to complete a job, in how many days can 25 men finish that work?Ans. 12 days

6) one fast typist type some matter in 2hr and another slow typist type the same matter in 3hr. if both do combinely in how much time they will finish. ans: 1hr 12min

7)A man shapes 3 cardboards in 50 minutes,how many cardboards does he shape in 5 hours?answer 18cardboards. A work is done by two people in 24 min. one of them can do this work a lonely in 40 min. how much time required to do the same work for the second person.

Sol:(A+B) can do the work in = 1/24 min.

A alone can do the same work in = 1/40 min.

B alone can do the same work in = (A+B)'s – A's = 1/24 – 1/40 = 1/60

Therefore, b can do the same work in = 60 min

9)A can do a piece of work in 20 days, which B can do in 12 days. In 9 days B does $\frac{3}{4}$ of the work. How many days will A take to finish the remaining work?

10)Anand finishes a work in 7 days, Bittu finishes the same job in 8 days and Chandu in 6 days. They take turns to finish the work. Anand on the first day, Bittu on the second and Chandu on the third day and then Anand again and so on. On which day will the work get over? a)3rd b)6th c)9th d)7th

11) 3 men finish painting a wall in 8 days. Four boys do the same job in 7 days. In how many days will 2 men and 2 boys working together paint two such walls of the same size?
a) 6 $\frac{6}{13}$ days b)3 $\frac{3}{13}$ days c)9 $\frac{2}{5}$ days d) 12 $\frac{12}{13}$ days

12) The size of the bucket is N kb. The bucket fills at the rate of 0.1 kb per millisecond. A programmer sends a program to receiver. There it waits for 10 milliseconds. And response will be back to programmer in 20 milliseconds. How much time the program takes to get a response back to the programmer, after it is sent? ans 30 milliseconds

TRAINS

1) TWO STATIONS A & B ARE 110 KM APART. ONE TRAIN STARTS FROM A AT 7 AM, AND TRAVELS TOWARDS B AT 20KMPH. ANOTHER TRAIN STARTS FROM B AT 8 AM AND TRAVELS TOWARDS A AT 25KMPH. AT WHAT TIME WILL THEY MEET?
A. 9 AM B. 10 AM C. 11 AM D. 10.30 AM

TREE

1) 900 M WIDE 3000 M WIDTH SOMETHING I CAN'T REMEMBER SOME VALUES ARE GIVEN BY AIR PER M Rs. 4 BY GROUND PER M Rs. 5 THEN WHERE U WILL CUT
2) Two trees are there. one grows at $\frac{3}{5}$ of the other in 4 years, total growth of trees is 8 ft. what growth will smaller tree will have in 2 years (< 2 ft.) ie $1\frac{1}{2}$ feet

TRIANGLES

1) Given the length of the 3 sides of a triangle. Find the one that is impossible? (HINT : sum of smaller 2 sides is greater than the other one which is larger)
2) 3 angles or 3 sides r given. Which will form a triangle?

UNITS

1) $(\text{Momentum} * \text{Velocity}) / (\text{Acceleration} * \text{distance})$ find units. ans mass
2) $(\text{energy} * \text{time} * \text{time}) / (\text{mass} * \text{dist}) = \text{distance}$
3) $(\text{momentum} * \text{velocity}) / (\text{force} * \text{time}) = \text{velocity}$
4) Find the physical quantity in units from the equation:
 $(\text{Force} * \text{Distance}) / (\text{Velocity} * \text{Velocity})$ Ans. Ns^2/m
5) Find the physical quantity represented by $\text{MOMENTUM} * \text{VELOCITY} / [\text{LENGTH} * \text{ACCELERATION}]$?

VENN DIAGRAM

1) Venn Diagram kinda ques. Some know English, some French, some German.....how many know two languages.....
2) VENN DIAGROM below
1. HOW MANY PERSON KNOW ENGLISH MORE THAN FRENCH
2. HOW MUCH % OF PEOPLE KNOWS ALL THE 3 LANGUAGES
3. HOW MUCH % OF PEOPLE THOSE WHO KNOWS FRENCH AND GERMAN AND NOT ENGLISH

FRENCH

3) Consider the following diagram for answering the following questions:

- A. Find the difference between people playing cricket and tennis alone. Ans: 4
B. Find the percentage of people playing hockey to that playing both hockey and cricket.
C. Find the percentage of people playing all the games to the total number of players. Ans: 6%
- 4)1. How many more or less speak English than French?
2. What % people speak all the three languages?
3. What % people speak German but not English?

WEIGHTS

- 1) There are 150 weights. Some are 1 kg weights and some are 2 kg weights. The sum of the weights is 260. What is the number of 1kg weights? Ans. 40
2) A truck contains 150 small packages, some weighing 1 kg each and some weighing 2 kg each. How many packages weighing 2 kg each are in the truck if the total weight of all the packages is 264 kg?
(a) 36 (b) 52 (c) 88 (d) 124 (e) 114

3. CRITICAL REASONING

In this section you will be given 3 questions 2 be answers in 30 min. every critical reasoning question has 5 questions $5 \times 3 = 15$ min

Be cool here. In this section prepare the analytical reasoning section 4m GRE BARRONS MODEL PAPERS (12th or 13th or 11th ed) you will definitely get at least 2 questions 4m dis model papers so prepare them

Friends prepare model papers well. (GRE Barrons) if you know all the questions don't answer all of them because you have an upper cutoff. Be careful. ALL THE BEST

After you clear the online test you will have a tech interview.

I being a mech student I said thermo my fav subject but they covered all the subjects

You will be asked to write your 1st year 2-1, 2-2, 3-1 subject names. So remember the subjects semester wise. Am asked to write my 3-2 subjects and my friends were asked to write the other sem subs also. If you're asked to say what topics you have in a sub say only the topics you're familiar with. For example he asked what are the topics you have in thermal if you say air conditioning you should be able to draw the cycle and explain. So be careful otherwise you will be in a trouble.

I was asked to say all the 4 thermodynamic laws, Carnot theorem, Otto cycle, Diesel cycle, dual cycle (asked to draw and explain cycles) entropy definition enthalpy def

2 stroke 4 stroke differences, CI SI differences, cam design, octane no., cetane no., types of nozzles,

pump def,types of pumps turbine def types of turbines

metrology def,instruments used in metrology

know d basic defs n imp topics in evry sub ull b through

don get scared or worried if u don know an ans

simply say I don know or unable 2 recollect or sumting lik dis

but don try 2 bluf

don get stuck.dey don expect u 2 answer all d qstns answer atleast1 or 2 wid confidence

see 2 dat while answering qstns u r not worried BE CONFIDENT N ONLY DEN U CAN GET THROUGH deyll see ur confidence level

prepare d qstn tell me abt urself well.dis is d most common qstn.Highlight ur achievements know ur position in d class dey ak dis one also prepare atleast 1 weakness 2 say 2 dem weakness u said shudnot seem like a weakness 4 dem or atleast say sum measure u adopt 2 overcome ue weakness ok.atleast say I hobby n be sure dat u know sum information regarding dat hobby deyll test u n b smart in saying ur hobby.for example reading buks is ur hoby.don say redaing books

say reading books is my hobby especially dat of say an authors name so dat u will reduce d no of qstns d interviewer pose.b coz if u say reading buks he may hav a num of qstns if u mention a particular author he will not go beyond dat author ok.ALL D BEST

I hav made sum nistakes in dis round so iam not through.

While going 2 a tech interview also better u prepare 4 hr intrview also sumtimes dey may ask hr qstns in tech interview also.if ur % is falling 4m semester 2 sem u shud b able 2 explain d reason 4 it.prepare 4 dis b4 hand perfectly

SO lastly d thing u hav 2 do b4 going 2 an interview is

- 1.prepare 4 tell me abt ur self qstn
- 2.remember all d subs semester wise
- 3.brush up ur basics in every subject,remember some imp defs n formulae
- 4.know abt d company (listen d preplacement talk keenly n write imp points)

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5. give ur answers confidently n wid a smooth voice

n ull b through

TCS PAPER ON 3rd NOVEMBER AT HYDERABAD

hi..i am hemanth.i have given TCS interview on NOV 3rd.and i got selected.i want to share my experience with others so that it can be very useful for them.i attached one file which describes my experience.

Test was conducted at TCS Hyd campus(E-park).They checked our marksheets and identity proof to appear for the exam.While writing exam they told us to switch off the mobiles(strictly) ,who haven't done it are fired out.(TCS looks for discipline)
So don't take a chance, follow what they say(even after completing the exam, donot switch on the mobiles in the exam hall).

In written test(4 me not online)there will be 3 sections

1. Verbal section

a)Synonyms 10

b)Antonyms 10(donot waste time on these)

c)Sentence completion (concentrate on this)

d)Passage 5 (It makes difference)

Just go through syn n anty, if u know put it otherwise give a guess...don't waste time on them..

Concentrate more on passage n Sentence Completion.

2. Aptitude

all of them are from previous papers itself. But time factor is main.

The most deciding section in written test is

3. Critical reasoning

I've seen so many haven't solved this section properly, so they lost it.

They ll give 3 passages. Donot try to solve all.

Go through them in GRE barron's 12 th edition

Sure you will get maximum 2 out 3. Get perfect in these(got from previous papers)

Model test 1: Section5 - qns 1-4, qns 13-16

Section6 - qns 1-4 , qns 8-11, qns 12-18 , qns 19-22

Model test 2: Section1 - qns 19-22

Section6 - qns 8-12 , qns 13-16 , qns 17-22

Model test 3: Section6 - qns 1-4

Model test 4: Section5 - qns 8-11, qns 19-22

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Section6 - qns 8-12 , qns 13-16 , qns 17-22

Model test 5: Section3 - qns8-11, qns 19-22

Section7- qns 1-5, qns 21-25

*****please concentrate more on this section.

while giving test don't try to answer all questions in 3 sections..atleast try to solve above average in each section...*****time factor is very crucial... put time limits for each section as per ur skills and go on with it..

After 2 r 3days they announced the results on portal.They have selected 2400 members for tech..My name was there and interview was scheduled on Nov 3rd 9PM at TCS deccan park Hyd.The next rounds are technical interview, MR and HR.In each round they filtered the candidates...

In tech ,after entering into room i wished him politely.

intw:tell me abt ur self

me: told as i prepared...(my details(no personal details), education details,strengths,and finally my hobbies)while saying these things he was verifying my resume.

intw:he asked abt project

i explained..(my project is on networking side)

some qsts asked on my proj are

what are OSI layers n explain each of them(he also asked me about sublayers in data link layers n protocols in them)?

what is OSI?

What are TCP layers n compare it with OSI model?

what are protocols in TCP/IP and port numbers for them?

What is the purpose of HTTP?

how you would create web pages?

what is the diffrence between HTML and JSP?

What is congestion controlling n how would u control them?

what is router ?

what are routing alogorithms?

what is piggy backing?

intw: ur fav sub

me: c n java

he concentrated mainly on DS.

the qust are

how u would allocate memory dynamically?

diff between malloc n calloc?

where it allocates the memory?(in heap)

how u would free the memory allocated?

if i don't use free() then what ll happen?

how the program is stored in memory?

what are circular linked lists?

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write program for circular linked list?(i wrote for insertion n delete)
prog for converting linear linked list to circular linked list?
prog for checking linked list is circular or not?(atleast get the logic for it if u r not sure with prog)
prog for searching a element in linked list?
What are non linear data structures?
what are tree traversing techqs?
Then he entered into OS(operating systems)
what is process?
what are process scheduling alogs?
what is thread?
what is multiprocessing n multi threading?
which one u ll choose n why?(multi threading)

for technical atleast get perfect in one programming language and your project.with confidence you can win.if you don't know the other technologies don't put them in resume.Sure, they will ask you what you have mentioned in resume.Get perfect with your resume.

he was impressed with my answers(i answered almost except 1r 2 qusts) n told me to wait for next round..i m happy..
i thanked him..

After waiting 4 a long time(same day at 6PM) i was given MR
tell me abt urself?
why ur percentage is going down?(they will look for certifications done during engg if ur percentage is going down)
what is ur goal?
where u ll be after 3yrs?
why TCS?
why should i hire u?
n some regular HR qusts but he was putting some tricky qusts(he tried to put pressure on me..he started argueing abt something..but i haven't argued with him..i just gave reasons my for answers)
i defended myself with confidence..
he gave one puzzle ...what are no.of possibilties to open a bag which has number locking system..(1000 possibilities for 3 numbers)
he asked abt my project?
what are problems u have faced in project?
what is your role in project?
what are ur experiences as a team lead?n any problems with your team members?(donot tell anything bad abt ur team members)
what are ur fav subjects?
if u were given a choice to choose among c and java which one u ll choose?
any more questions?(i asked qusts related to TCS)

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after that they told me to come tomorrow to have HR at 10AM
i thought it would finish shortly but it was not like as i expected....they gave some stress
interview by donot calling
for a long time..they ll check for ur patency..
i was called for HR at 5 PM
it was really cool...he asked some routine HR qusts(like in MR but no tricky qusts)
it was over within 10 min...they told me to check TCS portal for results on 8th 5PM...
give ur best...don't act too smart..they ll easily catch u (i m sure)..
and on 8th around 4PM, the results were out.. they have selected 722 members ..my name
was there..
thank you for all who contributed their experiences here ..

TCS PAPER ON 3rd NOVEMBER AT HYDERABAD

Hai all...I am an MCA candidate , I have attended Hyderabad TCS written and got
selected in it. TCS written test is easy if u concentrate little on it

Written Test:

There are basically 3 parts in written

verbal : There prepare antonyms and synonyms from previous papers. After that two
paragraphs are given in that section. Totally 32 marks in this section. Concentrate more in
this part because this is some what difficult to answer.

Arithmetic ability: This is the easiest section where we can get good score. It is enough to
prepare previous papers, they just change the digits and the model is same. There are
some problems from Bar and Pie Chart.

Critical Reasoning: In this section there will be 3 passages and questions on it. So, we
have to prepare the GRE Barron's book either 12th or 13th edition. All will come from
that only.

So, all the best guys.....There will be both upper cut-off and lower cut-off. Be careful,
don't answer all the questions if u prepare well and know more answers.And also there is
no sectional cut-off for TCS so u can gain marks even if you are not able to answer in one
section.

Then written test results are placed in TCS site with in 10 days. The list of selected
candidates' are given date and time to attend the next rounds.

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Next I have Technical round on 3rd November, 2007.

Technical Round:

For this prepare well your academic subjects. They can ask on any one and u should able to answer.

I have prepared

- 1) C, C++, DS
- 2) DBMS concepts, Oracle with SQL and PL/SQL
- 3) Operating Systems
- 4) Computer Networks
- 5) Software Engineering
- 6) .NET concepts because I did project in .NET
- 7) And finally, my academic project.

My turn is at 3pm so I went there by 2.20. They send us by 3pm by verifying our marks lists right from tenth. I was waited and sent in at 4.45

My technical round was around 20 minutes. The interviewer called me and started interview...

- 1) Tell me about yourself?

I said my name, qualification with aggregate. My basic technical skills and my project. Then my family back ground.

Then he asked me where my father is working....

- 2) Asked me to explain about my project?

I took a paper and explained with flow of screens and the functionality. He asked some doubts in my project

- 3) What is .net framework?

4) What is CLR?

5) What is stored procedure?

I explained stored procedure and wrote syntax for stored procedure. And I also said I which places I have used stored procedures in my project.

6) What is the difference between procedures and functions?

7) What is a static function?

8) What is the purpose of static variable?

9) What is the difference between static and constant?

10) Write a program to find the maximum number in a given list?

11) What is selection sort and write a program?

12) What is linked list? Difference between single linked list and double linked list?

13) Write a program for double linked list?

14) What are access specifiers?

15) Can we access private variable in another class?

16) what is polymorphism? Function overloading?

17) What are your interests?

18) What are your strengths?

I have answered 90% of them and I was forwarded to next round in the same day

MR(managerial round) :

In this section you may ask either Technical or Personal details or both that depends upon the interviewer. I was totally asked Technical in this round and it was round 45 minutes.

She asked me....

1) Can u introduce yourself?

2) Which is favorite your subject?

Here, you should tell the subject which u prepared well because most of the questions related to this topic only. I said it .NET but you people don't say that because the technology may not be familiar with that interviewer.

So let it be a subject or tell them like as a fresher I have basic knowledge on my academic subjects... at that time you should ready to face all the questions. Then started my problems

3) Explain about your project deeply how your project works?

I started taking a paper and explained my project. Then she stopped at one place and asked to write the connectivity between backend and front-end. you should be able to explain the module which u have done. I also explained the database architecture. I was asked many questions on my project.

4) How can u create a webpage in .net?

5) What is the difference between HTML and ASP?

HTML pages r static where as ASP pages r dynamic and we can interact with ASP pages.

6) What are your interests?

I said like I like to make friendship...

Oh! How big your circle?

Then I said I like to call on historical monuments and new places.

7) What is RAM and ROM?

I said like that RAM is a temporary memory area where as ROM is a permanent storage area. I was asked what type of data it will store?

I said it may be files or tables?

Immediately the next question was

8) What is the difference between files and database?

9) What is normalization?

10) I was given a table... normalizing it and write a query to display all the records of those tables?

Empno empname salary deptname deptno

Then I write like

Empno(pk) empname salary deptno

Deptno(fk) deptname

Then,

```
Select * from emp e, dept d where e.deptno=d.deptno;
```

11) What are different keys in sql?

11) What are your strengths?

I said that I am a confident person.

I am an optimistic person and I think in a positive way.

And finally I am a down to earth person.

What u should do is u should have confidence while talking with interviewer. They only see your confidence levels. How much u can grasp things. And your basic communication skills. Be sure that you should show confidence.

HR Round:

I have forwarded to next round that is HR round and it was around 10 minutes. Be prepared for these questions. I was asked....

1) What does your name mean?

2) Introduce yourself within one minute?

2) What is your family background?

- 3) Tell me your interests?
- 4) Tell me your opinion about TCS in one sentence?
- 5) There is a specific reason that why drainage plates are changing from square to round shape?
- 6) Tell me about your strengths and weaknesses?
- 7) Finally, would u like to ask me something?

I was asked her name first and then “If I have selected in TCS where will I place”? She said me that may depend upon the projects available at that time.

Some of my friends were asked...

- 8) Why shirt buttons are in round shape?
- 9) Why round shaped pizza will place in square shaped box?
- 10) If your husband is in Australia and you are in TCS Hyderabad then he doesn't want u to do job and wish to take along with him. What would u do?
- 11) tell me your long-term and short-term goals?
- 12) Who is your role model?
- 13) Why should we hire you?

Okey guys... All the best for your interview, The only thing in any interview is you show confidence, basic communication skills and your core technical skills. Remaining will be thought by the company.

TCS PAPER ON 4th JULY AT CHENNAI

There was a online test which consisted of three sections. Verbal, critical reasoning and quantitative aptitude. The software was very user friendly.

VERBAL SECTION

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It consisted of 10 antonyms, 10 synonyms and two passage in which you have to fill in the blanks with correct sentences. It's a bit difficult but don't worry u can get through even if u don know anything in verbal. Refer barrons .

QUANTITATIVE APTITUDE

It consisted of 38 questions 40 mins. Very easy. All previous year questions were repeated. They don't even change the data. Some questions which I remember are given below

1. series 1,2,3,4,6,8, ,12

2 Find the result of the following expression if, M denotes modulus operation, R denotes round-off, T denotes truncation: $M(373,5)+R(3.4)+T(7.7)+R(5.8)$

Ans. 19

3. What is the largest prime number that can be stored in an 8-bit memory?

Ans.

4. Find the physical quantity in units from the equation:
(Force*Distance)/(Velocity*Velocity)

Ans. Ns^2/m

5. Find the value of $@@+25-++@16$, where @ denotes "square" and + denotes "square root".
Ans: 621

6. If $f(0)=1$ and $f(n)=f(n-1)*n$, find the value of $f(4)$. Ans: 24

7. Convert the decimal number 310 to the base 6. Ans: 1234

8. Find the missing number in the series: 2, 5, __, 19, 37, 75 Ans: 9

9. In a two-dimensional array, $X(9,7)$, with each element occupying 4 bytes of memory, with the address of the first element $X(1,1)$ is 3000,

find the address of $X(8,5)$?

10. Find the fourth row, having the bit pattern as an integer in an 8-bit computer, and express the answer in its decimal value.

A 0 0 0 0 1 1 1 1

B 0 0 1 1 0 0 1 1

C 0 1 0 1 0 1 0 1

(A \cup (B-C)) ?

Ans. 29

11. Select the odd one out

a. SMTP b.WAP c. SAP d. ARP

12. Select the odd man out.

a. Java b.Lisp c. Smalltalk d. Eiffel

13. Which of the following are orthogonal pairs?

a. $3i+2j$ b. $i+j$ c. $2i-3j$ d. $-7i+j$

14. Number of faces, vertices and edges of a cube

a. 12,8,6 b.4,6,8 c. 6,8,12 d. 6,12

15. Select the odd one out

a. SMTP b.WAP c. SAP d. ARP

16. Select the odd man out.

a. Java b.Lisp c. Smalltalk d. Eiffel

17. Which of the following are orthogonal pairs?

a. $3i+2j$ b. $i+j$ c. $2i-3j$ d. $-7i+j$

18. Number of faces, vertices and edges of a cube

a. 12,8,6 b.4,6,8 c. 6,8,12 d. 6,12,8

19. what is the largest prime no.that can be stored in 8-bit memory. $\{2^8=256,\text{prime no less than } 256 \text{ i.e } 251\}$ (ans)}

20 select odd one - java,lisp,smalltalk,eiffel {ans- lisp}

21 select odd one- sql,db2,sybase,http {ans-http}

22 select odd one-sybase,db2,oracle,unix {ans-unix}

23.find the value of the 678 to the base 7. {ans-1656}

24find the result of following expression if M denotes modulus operation,R denotes round off,T-truncation: $M(373,5)+R(3.4)+T(7.7)+R(5.8)$

Ans- $3+3+7+6=19$

25 If TAFJHH is coded as RBKGI then RBDJK can be coded as? ans-PCCKJ

26 In Madras , temperature at noon varies according to $t^2/2+8t+3$,where t is time elapsed.find the percentage change in temp.from 4 pm to 9 pm.? ans- just put the values in given equations and get the difference and calculate % change.

27. if $g(0)=1,g(1)=-1,g(n)=g(n-1)+g(n-2),g(5)?$

ans- $g(2)=g(1)-g(0)=-1-1=-2$ $g(3)=g(2)-g(1)=-2-(-1)=-1$and so on.

28.the program size is N.THE memory occupied by the program is $4000\sqrt{N}$.if the program size is increased by 1%.then what is the percentage increase in memory,
ans- 0.5%

29. which of the following has highest standard deviation?

A)5,0,5,0,5,0. b)5,5,5,5,5,5 c)5,5,5,5,0,5 d)-5,5,-5,5,-5,5

ans:- the formula for finding std.deviation is square root of summation $(x-\bar{x})^2/n$,where n is the no. of terms.

30 (16) b,v,q,q,m,b,v,f,m,g,v,f,f,v,f,m,b,v,f,b,g,d,v,f,a,m,v,f,v,f,f. how many v's are such that each v is followed by f next to it, if the f is not followed by f next to it.

31.a power unit is there by the bank of a river 900 mtr wide. a cable is made from unit to power plant opposite to that of the river and 3000 mtr away from the power unit. the cost of the cable below water rs 5/mtr.and cost of cable on the bank is rs 4/mtr.find the point where cable cut thru river.

ans-2100

32.my flight takes off at 2 am from a place at 18N 40E and landed 10 HRS later at a place with co-ordinates 36N 40W.WHAT IS THE LOCAL TIME WHEN MY PLANE LANDED.

a) 2.50 pm,b)6.00 pm, c) 6.40 pm,d)8.00 pm

ans- for every one degree from east to west or west to east there is time change by 4 minute.if we r going from east to west then subtract the time otherwise add. here plane is going from 40 dgr east to 40 dgr west.therefore there is total change of 80 dgr i.e by $80*4=320$ minutes or 5 hrs and 20 minutes.therefore time taken by plane is 2+8-5 hour 20 minutes i.e 6.40 pm.

33. if A,B,C are thr mechanisms used separately to reduce the wastage of fuel by 25%,20%,10%. what will be the fuel economy if they will be used combinedly.

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ans- $75/100*80/100*90/100*100=x$ then ans will be $100-x$

34. A graph was given. And equation of the curve was asked.

CRITICAL REASONING

This section consisted of 3 questions with sub parts. It was for 25 mins. All the questions were from 12 edition Barrons. They don't even change the data and the order of questions. It's just cut copy paste from BARRONS 12 EDITION. Since it was an online test for us so everyone had a different set of questions. I was lucky to get exact same questions from Barrons so I was the first one to come out of the hall with the TCS application form in the hand.

1. first question was red and brown marriage group.....
2. second was that Ned Allen Larry Willy and Rick lives in the first floor
3. third I don't remember. But it was something G is father of....and there are more no of females in the second generation.

TECHNICAL AND HR INTERVIEW

We had the technical cum hr interview the next day. I had in the afternoon just after lunch. The panel was very friendly and made us feel very comfortable.

My first question was had u r lunch.

Then they asked general questions like tell me about u r self?

Why t cs? Why Chennai?

Why should we hire you? I said unlike other candidates I want to become a part of this family of t cs and don't want to remain a mere employee.

What is u r greatest achievement?

Then questions on c and c++?.

Please remember whether u r a IT or a non IT student they expect u to have some basic idea about c or c++.

Then he started asking me on maths.trigonometry.wat is cosec tan cot ..?

I was interviewed for 25 minutes.but at the end of it I was confident that I ll get through.

Next day when the results were declared I was one among the 785 students to be selected. just be confident and have a smile on your face. That is the secret to get through TCS

TCS PAPER ON 4th JUNE

Heloo friends!

I had day1 company as TCS on june 4 th & 5 th ,2007 in our college. Nearly 1300 students attended for online test, out of which 743 were short listed for interview. Online test consisted of 3 sections verbal, quantitative and critical reasoning. Total time duration was 90 minutes.

Verbal – 32 questions 30 minutes.

Quantitative – 28 questions 40 minutes

Critical reasoning – 3 puzzles with 5 questions each for 30 minutes.

Verbal consisted of 10 synonyms, 10 antonyms, 5 sentence completion, and a reading comprehension with 5 questions. Synonyms and antonyms were quite difficult, but sentence completion and reading comprehension was easy to get through if u carefully analyze and answer. It is good to be thorough with 400 high frequency words.

Quants section was simple enough. All the previous year questions are repeated. The following questions are some sample questions that I solved in the test.

- 1) Complete the series 7, 9, 13, __, 27, 37 Ans : 19
- 2) What is the largest prime number that can be stored in an 8-bit memory? ANS:127
- 3) Number of faces, vertices and edges of a cube ANS:6,8,12
- 4) In a triangle which one is not possible. Sides are (5,5,5.), (5,4,5), (4,4,9), (3,4,5,)

ANS: (4,4,9) (HINT : for a triangle sum of smaller 2 sides should be greater than the other one which is larger)

- 5) Match the following:

- | | | |
|--------------------------|------------------|------------------------|
| 1. Male - Boy | a. A type of | |
| 2. Square - Polygon | b. A part of | |
| 3. Roof - Building | c. Not a type of | |
| 4. Mushroom – Vegetables | d. A superset of | Ans: 1- d, 2- a, 3- b, |
| 4- c | | |

- 6) Given \$ means Tripling and % means change of sign then find the value of $6 - 6\% - 6\%$ ANS : -72

7) My flight takes off at 2am from a place at 18N 10E and landed 10 Hrs later at a place with coordinates 36N 70W. What is the local time when my plane landed.

- a) 6:00 am b) 6:40am c) 7:40 d) 7:00 e) 8:00 (Hint : Every 1 deg longitude is equal to 4 minutes . If west to east add time else subtract time)

ANS: (E) 8:00

8) In a two-dimensional array, X (9, 7), with each element occupying 4 bytes of memory, with the address of the first element X (1, 1) is 3000, find the address of X (8, 5). ANS: 3212

- 9) Select the odd one out. a. Java b. Lisp c. Smalltalk d.Eiffel. ANS: LISP

10) In which of the system, decimal number 194 is equal to 1234? ANS:5

11) A power unit is there by the bank of the river of 750 meters width. A cable is made from power unit to power a plant opposite to that of the river and 1500mts away from the power unit. The cost of the cable below water is Rs. 15/- per meter and cost of cable on the bank is Rs.12/- per meter. Find the total of laying the cable. ANS:20250

12) Which of the following are orthogonal pairs? a. $3i+2j$ b. $i+j$ c. $2i-3j$ d. $-7i+j$ ANS: (A)& (C).

13)If VXUPLVH is written as SURMISE, what is SHDVD? ANS: PEASA

14) If A, B and C are the mechanisms used separately to reduce the wastage of fuel by 30%, 20% and 10%. What will be the fuel economy if they were used combined. ANS: 20%

15) A can copy 50 papers in 10 hours while both A & B can copy 70 papers in 10 hours. Then for how many hours required for B to copy 26 papers? ANS: 13

16)Find the singularity matrix from a given set of matrices? (Hint determinant(A)=0)

17) units of basic quantities :

1. $(\text{energy} * \text{time} * \text{time}) / (\text{mass} * \text{dist}) = \text{distance}$

2. $(\text{momentum} * \text{velocity}) / (\text{force} * \text{time}) = \text{velocity}$

18) For a round trip, a car used $4 \frac{1}{2}$ gallons of gasoline. If it used $\frac{1}{4}$ more gasoline going than coming back, how much gasoline was used coming back? ans: 2 gallons

19) A shopkeeper bought a watch for Rs.400 and sold it for Rs.500.What is his profit percentage? Ans. 25%

20). $g[0]=1, g[1]=-1, g[n]=2*g[n-1]-3*g[n-2]$ then calculate $g[4]=$

21) .The ratio of boys to girls is 6:4.60% of the boys and 40% of girls take lunch in the canteen.What % of class takes lunch? Ans) 52%

22) Which of the following set of numbers has the highest Standard deviation?

a)1,0,1,0,1,0 b) -1, -1, -1, -1, -1, -1

c)1,1,1,1,1,1 d) -1,1,-1, 1,-1, 1

ANS: D

Finally there were 3 questions on venn diagrams (like 20 spek eng,30 speak hindi 3 speak both and so on....) 3 questions based on 1 barchart (data interpretation).

CRITICAL REASONING: (3 puzzles with 5 questions each

- 1) Some seating arrangement problem like there were 6 people A, B, C, D, E, F sitting in a table they all are agricultural minister, health minister, education minister and so on. The hints proceed like this. 1) A sits 2 seats away from D. 2) agricultural minister cannot sit near health minister. And some 3 more hints (I don't remember) using the hints given in the question U have to trace out their seating position in a round table and have to answer 5 questions based on it.
- 2) all P's are Q's, some R's are Q's, all P's are E's.....so on. With these hints u can draw a venn digram and answer the following 5 questions. Most of the questions are from GRE Barron exercise problems and its model papers (12 th, 13 th edition) so just solve all those. Don't mug up the answers.

INTERVIEW:

We had technical and HR interview combined due to shortage of time:

My panel had a middle aged sir and a mam. Sir was asking all questions and the mam was just observing me and was evaluating me. My interview lasted for 25 minutes.

Sir: Gud evening.

Me: gud evening sir, gud evening mam.

SIR: Take a couple of minutes and tell me about yourself.

Me: I said my name, my college name, my degree, about my family and my hobbies and some of my positive qualities.

Sir: What are ur core subjects that u have learnt so far?

Me: as I am an IT student I said all my core subjects. (I avoided telling CSA and compilers coz I was not thorough in those subjects).

Sir: What are the different types of Topologies?

Me: Mesh topology, star topology, Tree topology, Bus topology, partial mesh topology.

Sir: what is the Topology used in ur college?

Me: I said I don't know but after the interview I remembered it is star topology.

Sir: What are the OMD techniques?

Me: I gave the definition of it .

Sir: what is 3 rd Normalisation (DBMS).

Me: I explained with an example.

Then he gave me a aptitude question on work men time. 6 men dig 6 cubic units of mud in 12 hrs then how many hrs is needed for 3 men to dig 3 cubic units of mud.(directly I saw the qn and said 6 hours as answer).

Then he formed 3 employee tables and gave me SQL queries to solve.

- 1) To print the name of the employee who gets maximum salary. (I used sub query and solved).
- 2) To print the total number of employees in each department (I used group by function and wrote the query.)
- 3) To print the managers details (equi join to be used).

Then he asked some C programming qns and I was asked to write a program to check whether a given number is prime number or not.

HR qns:

Sir: Why TCS?

Me: TCS gives Experience certainty, and from my seniors I came to know that it has a good work environment and the employees get a good respect. It has various initial and continuous learning programs which will help me a lot in learning new skills and updating myself with latest technologies hence I prefer TCS.

Sir: We would like to start R&D centre in assam will u like to join there?

Me: I love traveling and I strongly believe that traveling gives a good learning experience so I am ready to work anywhere and I don't mind working in Assam .

Sir: If u are given a project and u complete it in 3 hrs but ur colleague can complete it in 1 hr what do u have to say about this?

Me: I will first check with the quality of my product suppose if it is better that him I won't mind but if the quality is low or equally good then I will definitely analyze my mistakes and if needed I will ask his help to improvise myself.

Sir: Do u have anything to ask us?

Me: I have 1 more year to complete my course what do expect me to do in this 1 year to fit in to ur organization?

Sir: bla bla (coz it was the last qn I did not listen what he said)

That's it with the intrerview

I was almost sure that I will get placed and as expected I got selected. Out of 727 who attended the interview 427 got placed. Speak very polite and be confident in the interview. Don't try answering the question that u really don't know. Be very careful with the resumes keep it as simple as u can ...be thorough with the skills u mention there. Some of my friends had stress interview those who remained very cool got selected irrespective of how they answered. But people who got tensed were rejected.

My panel saw only the HR form which they gave after online test he never saw my resume and so he did not know which my area of interest is. So qns came from all the subjects. Be thorough with ur project.

ALL THE VERY BEST. MEET U IN TCS

TCS PAPER ON 4th OCTOBER AT CHENNAI

Hi Everyone... I attended TCS offcampus recently n got selected.. TCS is my dream company after a very long war i got it...Thank god...dont lose ur confidence god is always waiting to give some best to us... so hope for it. Freshers world papers helped me a lot.. thank u...

For TCS mainly u have to concentrate in few things..

1. Online Test
2. parts.....

verbal :

- i Prepare GRE 12th Edition synonyms n antonyms well

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- ii. Fill up... (u can do it with basic english)
- iii. Comprehension part.....(prepare exercise part in GRE)

Apptitude:

Just solve all TCS papers posted recently its more than enough... for sample A series question. Very simple as 16 19 15 ? 14 21 (don't remember exactly)

1. What is the largest prime no that is stored in 6 bit pattern.
2. WHICH WILL GIVE GOOD STANDARD DEVIATION
1. (7,0,-7,0,7) 2. (7,-7,7,-7,7) 3. (1,0,-1,0,1)
3. WHICH IS NOT A SIDE OF A RECTANGULAR
1. (2m, 3m, 4m) 2. (3m, 4m, 7m) 3. (3m, 5m, 9m)
4. WHICH SHAPE WILL BE OBTAINED BY USING THESE VALUES OF X ,Y
X Y
0 0.00001
10 1.02
100 1.72
1000 3.00
9999 4.72
5. Which equation that best suits this curve a line cuts x at -1 when y=0 and x=0 when y=3 and goes upward
6. A man , woman and a boy jointly did a job in 6 days. a man alone finishes in 10 days, a women alone finish in 24 days. then how many days the boy can take to finsh?
7. An aeroplane starts from a (some latitude is given according to place)at 2 am local time to b(some latitude). travelling time is 10 hours. what is the local time of b when it reaches b.
8. A file is transferred from a place to adestination capable of 10 kb. they given some rate of transfer. u have find a equation that best suit this.
9. In a planar cube , the no. of vertices, no of edges and no of faces are 1. 6, 6, 6 2. 4, 8, 12 3. 8, 12, 6 4.....
10. What is the value of $m(373, 7) + r(6.8) - t(3.4) + r(3.4)$ m- modulas r- roundoff t- truncate
11. What is the value of $\sqrt[5]{5} + \sqrt[9]{9}$ where % - square root #- square

12. Match the following (don't remember exactly but problem model is important) a b

1. sentence, paragraph 1. type of
2. basmati, wheat 2. a part of
3. brother, sister 3. not a type of
4. breigal, dog 4. sibling

13. $g(0) = 1$ $g(1) = -1$ if $g(n) = g(n-1) + g(n-2)$ then what is the value of $g(6)$?

14. A 0 0 0 0 1 1 1 1

B 0 0 1 1 0 0 1 1

C 0 1 0 1 0 1 0 1

Then find the decimal equivalent of $(a u b)_n$ c.

15. Three schemes in a bank independently gives savings 10%, 20%, 25%. what will be the net saving if they are applied together?

16. Which one will be the exact power of 3

- (i) 2768 (ii) 2678 (iii) 2187 (iv) ...

17. A power unit is there by the bank of the river 750 mts. a cable is made from power unit to power a plant opposite to that of the river at 1500mts. the cost of the cable below water is rs. 15/- per meter and cost of cable on the bank is rs. 12/- per meter. then where they will cut

18. Odd man out 1.java 2.smalltalk 3.lisp 4.eiffel 5. c++

19. Which is the equation for given line among the 5 1. $2x + 3y = 4$ 2. $x + y = -1$ 3. $y = 2x + 3$

20. In which of the system 384 is equal to 1234? 1. base 5 2. base 6 3. base 7 4. base 8 5. base 9

21. The size of a program is n. and the memory occupied by the program is given by $m = \sqrt{100n}$. if the size of the program is increased by 1% then how much memory now occupied?

22. Calculate last address of array element column major $a[2,3]$, array size $a[7,9]$, each element occupies 8 bytes. start address is 3000.

23. $(\text{force} * \text{velocity}) / (\text{mass} * \text{acceleration}) =$
1. velocity 2.time 3. acceleration 4.momentum

24. In the word "unimpressive" if we change 1st & 2nd, 3rd & 4th, so on then will be 10th letter from right?

Mostly these questions pattern only will come... data may change.....

Reasoning:

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just byhot all the reasoning questions in GRE 12th edition model test papers... if u do this clearing first round is easier.....

INTERVIEW:

- 1.Technical
- 2.HR n MR

In My Interview they asked ques in my area of interest, networks n project.....prepare ur area of interest well be through wit ur project basic c prgms.....

HR n MR

Again project Why TCS tell me abt urself abt bond , elocation etc N MANY general questions..... so guys be confident its more than enough to get into tcs...

TCS PAPER ON 5th JULY

WRITTEN TEST IS FUCKOL ..PAPER CONSIST OF THREE SECTION AS U KNOW ..VERBAL ,REASONING ,AND QUANT I

QUANTI GO THROUGH LAST YERA OR ANY PAPER ON NET ..I 'LL GIVE U FEW EXAMPLES ..REASONING BARRON 12TH EDITION.PAPER CONSIST OF THREE SETS X ,Y ,Z

MY SET WAS Z ..LR INCLUDES ,RED BROWN ,MOTORCYCLIST ,ALL G & H ,,OTHER SET WAS HAVING MUESUM PROBLEM ..MUG THESE UP ..DONT ATTEPT ALL ..VERBAL ..10 SYN ,10 ANT ..FEW OF THOSE ARE ..controvert ,gadfly ,vouchsafe,mesmerize ,illusion ,tantamount ,desultory ,try to attempt 15 of these ..passage were quite tough for reading comprehension ,i didnt attempt those..attempt good no of question of quants ..results were declared after 3 hrs ..112 got selected ..those whose names was not in the list was more capable than us ..i think they didnt check the paper ..jusrt random picking ..my tech is tommorrow ..lets see wat happens ..but experience with company is not good .they ask too much of core ..question varies from c to data structure ..technical ..god knows wat struct their mind at that time.they have omitted some genuine students .. meet u tomorrow with new experience . quant is same as that of durgapur .

series.....3 8 15 24 ?

for the word SENSATIONAL, if you interchange 1st letter with 2nd ,3rd with 4th n so on what will be the 10th letter from right..?

if $A = 010100001$

$B = 000110100$

$C = 011001110$

what is $(A \cup B) \cup C$?

in which system, is the decimal number 384 equal to 1234?
in a two-dimensional array, $X(7,9)$, with each element occupying 4 bytes of memory, with the address of the first element $X(1,1)$ is 3000, find the address of $X(5,8)$?

x	y
0.99	0.001
9	0.9
99	1.998
999	3

If $y = f(x)$ find $f(x)$?

what is the value of $M(373, 5) + R(7.8) - T(6.4) + R(3.4)$

M- modulus R- round-off T- truncate

given the length of the 3 sides of a triangle. find the one that is impossible.

A power unit is there by the bank of the river of 900 meters width. A cable is made from power unit to power plant opposite to that of the river and 3000mts away from the power unit. the cost of the cable below water is Rs.4/- per meter and cost of cable on the bank is Rs.5/-per meter. What is the distance of the power plant from the other side of the river? (careful!!! Not the cost of laying the cable!!!)

Match the following:

- | | |
|------------------------|---------------|
| a. Brake, car | a type of |
| b mother, women | a superset of |
| c. eagle, dog | a part of |
| d. mushroom, vegetable | not a type of |

a flight takes off at 2 A.M from 32 N 40 E and travels for 9 hours to reach the destination which is at 12 N 50 W. Find the local time of destination when the flight reaches there.

find units: $(\text{Momentum} * \text{Velocity}) / (\text{Acceleration} * \text{distance})$

Select the odd one out a. Java b. Lisp c. Smalltalk d. Eiffel e. Fortran

if XUPLVH is written as SURMISE, what is SHDVD?

seect the odd one out a. SQL b. DB2 c. SYBASE d. HTTP e .Ingress

$g(0)=1$, $g(1)=2$ $g(n)=g(n-1)-g(n-2)$ find $g(6)$.

no of edge, faces, vertices in a cube.

a may complete a work in 90 days ,A+B complete the work in 60 days in how many days B alone may complete the work

$@@+25-++@16$, where @ denotes square and + denotes square root.

Which are orthogonal pairs?

- a. $3i+2j$ b. $i-8j$ c. $2i-3j$ d. $6i-2j$

The size of the bucket is N kb. The bucket fills at the rate of 0.1 kb per millisecond. A programmer sends a program to receiver. There it waits for 10milliseconds. And response will be back to programmer in 20 milliseconds. How much time the program takes to get a response back to the programmer, after it is sent?

which will give good standard deviation

1. (3,0,-3,0,3,3) 2. (3,-3,3,-3,3,-3) 3. (3,0,-3,0,3,3) 4.(3,3,3,3,3,3)

1 question of venn diagram ...people speaking gujrati ,punjabi and hindi

1 question of pie chart ..industrial distributor

my suggestion ..just be calm ..this is not the end of the road ..

TCS PAPER ON 6th JULY

hi frens

This is Ramya from Chemical Engineering Department. I want to share with u my experiences regarding my online test n interview .

Online test consisted of 3 sections

Verbal

Aptitude

Critical Reasoning

Regarding aptitude previous yrs question papers are sufficient. Refer Barrons for synonyms, antonyms n if u r lucky enuf may get comprehension also from Barrons 12th/13th editions.

About critical reasoning which's the most important section to get selected in the online test, i got entirely from Barrons 12th edition . . But in some, names were changed so be careful while mugging up d answers. But in some cases for sections having more than 4 questions they randomly chose 4 out of those questions. so for those sections mugging up jus d options may end u up in vain.

Interview(technical+HR)

I had my interview the next day around 11 am which lasted for 45-50 minutes.. My panel consisted of 4 members. The panel members were very friendly and made me feel very comfortable.

The first thing they asked me whether i had my breakfast. Then asked me d routine tell me about urself . i answered n meanwhile dey interrupted n asked me about my family background , my fav director n about d movie i watched last. Then i was asked some questions from organic chemistry like what is common salt n its preparation, formula n structure of methane . Then i was asked some questions in electronics lik what is electronics, truth table and asked me draw d truth table for AND gate. Then they just asked me regarding my areas of interest.

Then they offered me a cup of coffee n asked me about d C programs in my 1st semester. .After dat they gave me one puzzle n asked me solve n explain dem . . i jus tried n got d solution n explained them. He seemed to b much satisfied n said its exact. Then asked me to write a program to find d largest of 3 nos. . I wrote n explained him. Then he asked me what is preprocessor directive, use of semicolon n getch() in C, use of Break n Continue statements.

They gave preference to knowing some additional lang like Hindi and asked me regarding dat as i mentioned about it in my resume. They said dat ok den u ll b placed in North places lik Amritsar etc . i was a bit assured wid d kind of their reply. Since i mentioned dat my brother working in TCS in d form dey gave ,dey asked me wat he's working as, what he said about TCS.... Then dey asked me whether i had any location preference ,y switching to IT, my hobbies ...Den finally dey asked any questions do u ve

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4 us.. i asked dem whether any relevance of our chemical subjects with d IT field v r going to work in. They jus said ya der's but minimum chances 4 it n v cant assure u and asked me whether i had any objection to work in complete IT oriented field. .i said No... Then dey wished me All d best...

Now i feel proud to b a member of TCS. . Frens don get panic n be confident cos our attitude counts. . one more thing i want to share is if u r offered a cup of coffee,pls do go n thrw t in d dustbin nearby after havin it...cos it shows our behaviour n t may also b noticed...

K frens All d best n C u in TCS soon...

TCS PAPER ON 6th JUNE

Hi frnds.....

That was the memorable day of my life whan i heard my name in the shortlisted students of T.C.S. Their recruitment drive started on 6th and ends on 8th..... I was a training and placement representative, so i have to put some extra effort in those days....

On the first day total 7 members came,out of which 2 gone to give the P.P.T. and rest were gone to upload the question papers in the computer lab..... We the computer science student got d chance in tha first batch which started from 11.00 a.m. Written was very easy and out of 240 students of total strenth 195 were through.....

U JUST HAVE TO MUGG UP BARRONS-12 EDITION..... thats'it..... On the first day they only took the written exam.... On the second day they took the H.R. and TECHNICAL INTERVIEW simultaneously..... i got d chance at 12.00, i was a bit nervous... but that is also important to perform well.... i entered d rum.... there were 2 members in that pannel...

INTERVIEWER:HWZ UR DAY..????

ME: GREAT sir.....

INTERVIEWER: great why....????

ME: sir bcoz i am getting d oppurtunity to be recruited in my dream company.....

INTERVIEWER: oh.....????? why t.c.s is ur dream company.....????

ME:it's my opinion.....

INTERVIEWER:why u made so opinion...????

ME:becoz t.c.s. is one of the biggest company of the world and most importanly it foster attention to ethics,morality,integrity and teamwork which matters a lot to me..... (at this time he was a bit impressed my me...)

INTERVIEWER:ok.. prashant.. tell me abt urself....????

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ME:bla bla.....

INTERVIEWER:oki... ur hobby is playing and watching cricket.....

ME:sir i am better player than a watcher..... (he was impressed by this.....) I

INTERVIEWER:oki... tell me abt a swing bowling.....?????

ME: i explained it throughly(by using technical terms like bernoulli's theorem)

INTERVIEWER:what r ur area of interest.....?????

ME:database and operating system.....

INTERVIEWER:wht is multi threading and multitasking.....?????

ME:xplained...

INTERVIEWER: what is semaphore ???

ME:xplained...

INTERVIEWER:what is garbage collection....???

ME:explained...

INTERVIEWER:what is calloc malloc?????

ME:xplained.....

INTERVIEWER:what is linked list.....

ME:xplained but not very confidently bcoz that was not my area of interest.....

INTERVIEWER:on how many o.s. can u work....

ME: i said linux,windows xp,windows nt,windows 2000,windows 1998.....

INTERVIEWER:oohhh u know linux....

ME: sir i worked on linux during my summer training ehich i did from i.i.t. kanpur in 2nd yr....

INTERVIEWER:tell me something abt networking...????

ME:sir this is not my area of interest(i was smiling)....

INTERVIEWER:tell nything abt that.....

ME:sir rite now i remember some of the protocols.....

INTERVIEWER:ok fine.... speak....

ME: then i told 7-8 protocols and xplained some of them..... then he told me abt the bond,medical and the place where we have to work..... by this time i was preety confident that i'll clear this round..... i cleared d round and my h.r. was on the last day..... on 8th interview started at 10.00 a.m. and i got d chance at 6.00 p.m., i was fully exhausted at that time.....

INTERVIEWER:prashant tell me abt urself....??????

ME:bla bla....

INTERVIEWER:wht,s ur father name???

ME:told

INTERVIEWER:in which department he work???

ME:told

INTERVIEWER:planning or construction.... ????

ME:told....

INTERVIEWER:tell me abt ur project.....???

ME:(i was a little shocked that in m.r. i am getting such a question...) but i xplained it....

INTERVIEWER:do u know java...????

ME:yes sir....

INTERVIEWER:what is new operator????

ME:sir i am not been able to recall....

INTERVIEWER:why....

ME:sir beocz it was a very hectic day for me..... i was waiting for my chance since 100.00 a.m.,and also m suffering from mid cough and fever..... (then he wrote something related to new operator) i respond it quickly and told abt the new operator.....

INTERVIEWER:ab yaad aa gya...????

ME:yes sir(smiling),i always perform my best when conditions r not good for me....

INTERVIEWER:(smiling) u scored quite good in ur b.tech. and also did d project.... oki prashant..... everything is oki..... plzzz.... call the next one.....

ME:yes sir..... BY this time i was very much confident that i'll be selected..... and by the grace of god, i was selected..... this was the most memorable day of my life,that i was recruited by the first company visited in our campus and d company was none other than T.C.S.

TOTAL:240

WRITTEN:195

FINAL:116

TCS PAPER ON 6th OCTOBER AT HYDERABAD

Hai , This is Shiva prasad from DVR college of Engg and Tech,Sangareddy. TCS was my 10th company to attend . Out of 15,000 who appeared for the test, 2338 got selected for the interview, from which 722 were finally selected.

Selection consisted of 4 rounds:

1. Written Test
2. Tech interview
3. MR
4. HR

Test:

It consisted of 3 sections: Aptitude, Verbal and analytical reasoning

Aptitude: for aptitude just go through the previous papers , its more then enoguh.It consists of 38 qns.I know 99% of the questions,but i attempt only 80% of the q'ns because there is upper cut off and there is no need of doing R.S agarwal or any other books.

Verbal:This was the toughest section for me. It consists of 32 qns .It has 10 synonyms, 10 antonyms, a Reading comprehension with 6 qns, and a passage with 6 blanks where we have to insert the correct sentences from the choices.

for verbal just go through the previous yrs papers(v v imp),gre high frequency wordlist,antynonms and synonym exercises,for passage go through the gre RC exercise(directly they will give the passage from barrons with out changing the option).

some of the words i remembered:

Analytical Reasoning:

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This is the very very important section to clear the written test. Take Barrons 12th edition and go through all of the model test papers(1-5). Omit the passages containing 1 or 2 qns. Study the pasages with 4 or more qns. The passages and qns are cut, copy, and paste from Barrons.

I had gone through the previously 100+ qn papers from all most all sites for freshers and found out which passages were asked. They are:

Model test 1: Section5 - qns 1-4 (motorist), qns 13-16 (red and brown)

Section6 - qns 1-4 (conservative,democratic), qns 8-11 (latin, sanskrit), qns 12-18 (joe,larry,ned), qns 19-22 (a causes b)

Model test 2: Section1 - qns 19-22 (wallachia and rumelia) ---i got this qn, but the names were changed as london and paris , and a,b,c etc were changed as french, italian etc.

Section6 - qns 8-12 (ashland , liverpool), qns 13-16 (spelunker) ---i got this qn, qns 17-22 (pesth) ---i got this one too

Model test 3: Section6 - qns 1-4 (all Gs are Hs)

Model test 4: Section5 - qns 8-11 (horizontal row), qns 19-22 (a,b,c cause d)

Section6 - qns 8-12 (spanish, italian), qns 13-16 (all As, Bs), qns 17-22 (progressive federal party)

Model test 5: Section3 - qns8-11 (museum), qns 19-22 (A is the father)

Section7- qns 1-5 (prahtu, brahtu), qns 21-25 (scurvy)

This passages are more than enough to clear critical reasoning,with out GRE barrons 12th edition it is difficult to clear the written test .

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Technical Interview:

First thing don't be afraid. becoz they r so frndly. as I am from CSE and i have said my most favorable subjects r C, java and Oracle .And I was also prepared C++. The question was as follows:

1. Tell me about your self?
2. Where u r coming from?
3. wat r u'r favourite subjects ?
- 4 .say something about structures and unions for 5 min
- 5 . asked some questions on structures
6. what is view ?
- 7 What is join?
- 8 What are codd rules? (Answered perfectly, where he was impressed)
- 9 what are rules satisfied by the oracle?
- 10 explain about u'r project?
- 11 some questions on project?

MR:

This is also an elimination round. The feed back of technical interview will be send to this MR and MR will ask the questions totally based on feed back of tech.

In tech , as I was not answered some of the questions on pointers . So my MR were asked totally on pointers for 45 min.:(.

If we perform perfectly and answered all questions in Tech interview then MR is a cake walk

TCS PAPER ON 6th NOVEMBER AT HYDERABAD

Hai frndz dis is Sivajyothi f rm Computers science stream selected for TCS.I m 2007 passed out frm S.K.D Engineering college, Gooty, Anantapur(dist).

I appeared for d TCS xam in HYD.First of all I wud lik 2 thank al of my frnds who contributed papers to freshersworld.Really these papers helped me a lot to clear d written.Dnt get tense paper wil b easy,no -ve marking,no sectional cutoffs.so it wil b easy for u to clear.zst a little bit of hard work is necessary.prepare old papers nd moreover dnt try to mug up d answns in aptitude section bcoz some times dey r changing up d data.Cmng to the test pattern of TCS ,there will b three sets namely X,Y,Z.Actually most of d times they will conduct online xam but in Hyd they conducted manual written.

I got the set X mainly d test comprises of three sections

- 1.verbal ability(30 questns)
- 2.Aptitude test(40 questns)
- 3.Critical reasoning(prepare model papers in 12th barrons for dis sec.)(15 questns)

The very 1st section z verbal in which there wil b 10 synonyms nd 10 antonyms.

synonyms

Garrulous-talktive

Inter-bury

Regal-royal

Candid-outspoken

Antonyms

protract* shorten

dilatory*precipitate

tenacious*momentary

assuage*worsen

I hav remembered dis much but i can giv u som of most freq. askd synonyms nd antonyms.

synonyms

galleon-ship

indignity-insult

musty-flat

brouchure-pamplet

repudiate-reject

furtive-underhanded

Antonyms

credit*believe false

protract*shorten

admonition*commendation

quixotic*pragmatic

accept*repudiate

one paragraph will be given with blank numbered spaces left in passage and we have 2 fill those gaps with appropriate options from the given options. I have given one passage related to chlorophyll in plants. 5 blanks will be given

Reading comprehension passage is given, it is from model papers of 12th boards only. Under that 5 questions are given. You need to answer them.

Next section is aptitude. I haven't remembered all the 40 questions but some of them are.....

1. In 2-dimensional array $X(9,7)$ with each element occupying 8 bytes of memory with the first element $X(1,1)$ is 3000. Find address of $X(8,5)$?
When referred to old papers one easy method was found i.e.; check this once $x = \text{given col.} * \text{no. of bits} \dots$ approach: $[x * (\text{req. no. of rows} - 1)]$. This will give you the first element of req. row. To proceed further you have to add 8 bytes (as given in the question) for each term. But I haven't followed this one. I did it in the normal manner which is time taking.
2. One word is given and data provided is like this. If 1st and 2nd, 3rd and 4th, 5th and 6th are interchanged up to last letter what would be the 8th letter from right?
3. In which of the systems, decimal number 184 is equal to 1234? ans. 5
4. No. of faces, vertices and edges of a cube? ans. 6 8 12
5. One question related to number sequence? 2, 7,
6. Find the value of $@@ + 25 - ++ @ 16$, where @ denotes "square" and + denotes "squareroot"? ans. 621
7. If M denotes modulus operation, R denotes roundoff, T denotes truncation then find $M(373,5) + R(3.4) + T(7.7) + R(5.8)$? ans. 19
8. One question based on letter coding. I didn't remember the question properly but the answer I got was covert.
9. Which of the following are orthogonal pairs?
a. $3i + 2j$ b. $i + j$ c. $2i - 3j$ d. $-7i + j$
ans. a, c
10. \$ means tripling, % means change of sign then find $\$ \% 6 - \% \$ \% 6$? ans. -72
11. Which is the largest prime that will fit into 6 bit memory? ans. 61
approach: $2^n - 1$ where n denotes no. of bits.
12. Which of the following has highest standard deviation?
a. 7, 0, 7, 0, 7, 0 b. -7, -7, -7, -7, -7, -7 c. 7, 7, 7, 7, 7, 7 d. -7, 7, -7, 7, -7, 7
ans. d
13. $g(0) = 1, g(1) = -1$ provided $g(n) = g(n-1) + g(n-2)$ then $g(5) = ?$
14. A power unit is laid by the bank of the river of 900 mts width a cable is made from power unit to a power plant opp. 2 km from the river and 3000 mts away from the power unit. The cost of the cable below water is Rs 5/- and cost of the cable on the bank is Rs 4/- per mtr. Find the pt. where the cable cut thru the river?
15. In Madras temp at noon varies according to $-t^2/6 + 4t + 12$, where t is elapsed time. Find how much temp. more or less in 6pm to 8pm?
16. Two students got 3 and 3.5 and 1 and 4.45 in final exam respectively. What was the marks of 3rd student..... for this take the diff. among the marks and proceed for the answer.
17. A, B, C are 8 bit no.s
A - 01000101

B - 00110011

C - 00111010

find ((AUC)UB)

18.select odd one

a. linux b. oracle c. DB2 d. Ingress. ans.Linux

19.select odd one

a. lisp b. small talk c. eiffel d. java ans. lisp

20.Find singularity of d matrix frm given set of matrices?

Hint:det A==0

21.one curve is given u need to find out d eqn for dat?

22.Barchart is given showing some sales of company.....

23.venn diagram is given specifying dat sum people speak hindi,sum speak telugu nd sum in english lik dat.under dat 3qs wil b there

24.given length of d three sides of triangle?u hav to pick the sides which do not suit for a triangle.(Hint:sum of any two sides must b greater than 3rd side)

25.latitude nd longitiude prblm

26.ques regarding physical quantities(momentum,velocity.....)

27.match d following

a)sentence paragraph 1)not a type of

b)basmati wheat 2)superset

c) 3)a type of

d)cow mammal 4)a part of

Next section is critical reasoning.For dis prep. reasoning passages in model papers of barrons 12th edition.may b sum times they wil change data but model of the passage wil b same.3 passages wil a given in which 5 questns under each passage.totally 15 questns in dis section.results were placed in tcs portal oonly.after 5 days frm the written i came 2 knw dat i ckleared d written.Zst the old papers nd model papers(antonyms,synonyms,critical reasoning) of 12th barronns were enuf to clear d written.

Technical interview

Tell me abt ur self?(prep. well for dis questn.dis will create impression on u) Basic questns frm ur academics abt ur project nd technologies used in ur project? joins in dbms? access specifiers in java? files in c? small file prgm? diff b/w C nd Java? U wil b askd abt ur fav. subject.do prep. well for dat one thng,wat ever u answr ,answr it wit confidence.dnt get confuse ok sum times dey wil ask d questns regarding the company in tech. interview also so prep. for dat also No need to get tense Interviewers were so cool. I was made to wait for 15 min nd results r announced nd i cleared d tech.

On d next day M.R nd H.R rounds were conducted.we were given a form nd we need to fill dat. In M.R round ,Interviewer was very very frndly wit me,very cool guy. they askd me to tell abt my self. ur career objective? prep the contents of ur resume well why TCS? Quarter results of tcs? abt my project? two small puzzles? some of my frnds were askd technical questns also.so prep.for dat also abt d previous interviewer?

abt my previous campus interviews? If ur % is declining ,u need to prep. a good reason to convince d interviewer if u r a non-it student prep. reason dat why u r shifting towards software field? my strenghts nd weakness?(prep. well for dis)be careful while telling abt ur weakness after 10 min results were out nd HR round was conducted.

HR round was little bit tricky for me.

Interviewer goes on asking me dat"r u nervous?,r u tense?" lik dat.but i keep on saying dat i m very cool.....they wil test ur patience dats it,dnt get nervous at dat time.zst maintain smiling face nd a smooth voice .ur communication skills will play vital role in these 2 rounds.dnt break ur voice in d middle.

he askd me to tell abt my self,my personal details,abt my frnds,strenghts nd weakness,goals,CEO of TCS(Mr.Ramdorai).do prep.well abt d company.for interviewer u hav to look dat u r very interested towards d company.once again i m telling u dat prep. well for d questn"tell me abt ur self" dnt giv breaks in the middle of answrng dis questn.On Nov. 8th at 4.30pm results were released in the portal of TCS.

By Gods grace I was selected for TCS.Only hard work is in ur hands do work hard nd b confident on ur self, rest of it will b gods grace.apart frmm hard work luck plays imp. role.As my parents blessings,my frnds wellwishes r wit me nd those r d main reasons dat i hav been placed in TCS.Once again Thanx to al my frnds who wished me nd helped me a lot for preparation.I m very lucky to b d part of TATA group. Hope dis paper wil help u for cmng xam.Al d very best to al of u guys.Hope we meet in TCS..bye

TCS PAPER ON 6th OCTOBER 2007

Hi Guys ,

I attended TCS ONLINE Selection process on 6 oct 2007,
i want to share my experience for ur preparation guidance.....

In 1st ROUND:(according to online test)

verbal (for this u have to prepare from GRE BARRON's model 5 test paper's opposites is enough..and for Syn previous year Questions..)

aps (only previous question papers of TCS only go through that definitely u'll get from that only...)

critical reasoning.(for this u prepare from GRE BARRON's 5 Model test Paper is more than enough).

VERBAL:(recently asking....)

Censure - fault, criticize

Optimum- best, most favorable

Candid- frank, open, blunt, upfront, forth-right

Cite - quote, name, mention, refer to, allude to

Effusive - demonstrative, fussy, talkative, overenthusiastic,vociferous, extroverted

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Voluble - articulate, vociferous, talkative
Banal - commonplace, trivial, predictable, trite, hackneyed
Standing - rank, permanent, position, duration, status, reputation, eminence
Nascent - budding, emerging, blossoming, embryonic
Clutch - grasp, grab, hold
Generic - general, basic, common
Empirical - experimental, pragmatic, practical
Anomaly - irregularity, glitch, difference
Circuitous - roundabout, twisty, meandering, indirect, winding, tortuous
Surveillance - observation, watch, shadowing
Objective - aim, impartial, real, purpose, goal
Raucous - rough, wild, hoarse, guttering
Voracious - insatiable, avid, hungry, big, rapacious, greedy
Pedigree - rare-breed, full-blooded, lineage
Fidelity - loyalty, reliability
Augment - supplement, boost, add to, bump up
Precarious - unstable, shaky, risky, uncertain
Derogatory - disparaging, critical, insulting, offensive
Onus - responsibility, burden, obligation, duty
Analogous - similar, akin, related
Expedient - measure, convenient, device, maneuver
Compliance - fulfillment, obedience
Diffident - shy, insecure, timid
Plaintive - mournful, sad, melancholic, nostalgic, lamenting
Insinuate - imply, suggest, make-out, ingratiate yourself
Misdemeanor - wrong, sin, crime, offense
Exonerate - clear, forgive, absolve
Gregarious - outgoing, extroverted, sociable, expressive, unreserved
Benign - kind, benevolent, compassionate
Attenuate - satisfy, calm, soothe, ease
Sonorous - loud, deep, resonant, echoing
Bolster - boost, strengthen, reinforce, encourage
Heterodox - unorthodox, dissenting, contrary to accepted belief, heretical, deviating
Restiveness - impatience, restlessness, nervousness
Effigy - image, statue, model
Retrograde - retrospective, traditional, conservative, nostalgic, forward-looking (antonym)
Sacrosanct - sacred, holy, revered
Dangle - hang down, sway, droop, swing, suspend
Cryptic - mysterious, enigmatic, puzzling, hidden
Debilitate - incapacitate, weaken, hamper, encumber, hinder
Divulge - reveal, disclose
Spendthrift - wastrel, squanderer, compulsive shopper
Indigenous - native, original, local
Erroneous - mistaken, flawed, incorrect
Minion - follower, subordinate, underling, gofer
Veracity - reality, truth, sincerity.

2nd Round Technical:

According to this round they shoot u only in Projects,Paperpresentations,and Area of interest. So be clear with this ...

HR Round :

Its So Simple, they check only ur Confidence level and not on ur exact skills...

So answer for every question with full Confidence and Be frank if u dont know the answer..

I hope it will be useful for ur preparation....

BE CONFIDENT

ALL THE BEST... HARD WORK NEVER FAILS...

TCS PAPER ON 7th JUNE

hi, friends i am fulender (mechanical engg.) from vellore institute of technology, vellore. tcs visited our campus on 7th june, almost 1500 students appeared for the online test, around 1025 qualified for interview, out of which they finally selected 789 students, i am among one of those lucky guys. i have got enormous help from this site, i want to help those who are preparing for tcs.

online exam had three sections:

(1) Verbal {synonyms-10, antonyms-10, reading comprehension-6 questions, sentence completion-6 questions)

go thru previous yrs papers, gre high frequency wordlist, antonyms exercises questions. it is the most difficult section for me.

for passage and sentence completion pls go thru comprehension exercises given in gre 15th edition, you may get both from that only.)

(2) Aptitude: just go thru previous yrs papers that is more than enough, you even need not solve rs agarwal, then also its ok, question is repeated every time, just know how to solve, be fast bcoz time is very less.

(3) Critical reasoning- they are giving utmost importance to this section, i think it is probably of 30 marks (12 questions), just go thru gre barron 12th or 13th edition model test papers. questions are direct. they are not even changing the order. so just mug, easy ones you can solve, but memorise difficult ones. many of my friends could not make thru due to this section only

i am giving some of the questions which i remember.

verbal: chide, dotlish, protract, mawkish, disingenuous, repugance, vouchsafe....

sentence completion- "emancipation of women.... (given in 15th edition comprehension exercises).

for me passage was from outside it was easy but we had no time.

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aptitude:

(1) what is the largest prime no.that can be stored in 8-bit memory. $\{2^8=256, \text{prime no less than } 256 \text{ i.e } 251\}$ (ans)

(2) select odd one - java,lisp,smalltalk,eiffel {ans- lisp}

(3) select odd one- sql,db2,sybase,http {ans-http}

(4) select odd one-sybase,db2,oracle,unix {ans-unix}

(5)find the value of the 678 to the base 7. {ans-1656}

(6)find the result of following expression if M denotes modulus operation,R denotes round off,T-truncation: $M(373,5)+R(3.4)+T(7.7)+R(5.8)$

Ans- $3+3+7+6=19$

(7) If TAFJHH is coded as RBEKGI then RBDJK can be coded as? ans-PCCKJ

(8) In Madras, temperature at noon varies according to $t^2/2+8t+3$, where t is time elapsed.find the percentage change in temp.from 4 pm to 9 pm.? ans- just put the values in given equations and get the difference and calculate % change.

(9) if $g(0)=1, g(1)=-1, g(n)=g(n-1)+g(n-2), g(5)?$

ans- $g(2)=g(1)-g(0)=-1-1=-2$ $g(3)=g(2)-g(1)=-2-(-1)=-1$and so on.

(10)the program size is N.THE memory occupied by the program is $4000\sqrt{N}$.if the program size is increased by 1%.then what is the percentage increase in memory,
ans- 0.5%

(11) which of the following has highest standard deviation?

A)5,0,5,0,5,0. b)5,5,5,5,5,5 c)5,5,5,5,0,5 d)-5,5,-5,5,-5,5

ans:- the formula for finding std.deviation is square root of summation $(x-(\bar{x}))^2/n$, where n is the no. of terms.

(12) which curves will be obtained from this.

x	y
0	0.00001
10	1.02
100	1.72
1000	3.00

ans- $y=\log(x)$.

(13) number of edges,faces,vertices of a cube.

a) 12,6,8 b) 6,8,12 c)4,6,8 d)8,12,6. ans-a

(14) which of the following represents a triangle { ans- sum of three angles of a triangle is 180. }

(15)match the following:

- | | |
|------------------|--------------------|
| 1)mammal,cow | a)a type of |
| 2)snake, reptile | b)a part of |
| 3)roof,building | c) not a type of c |

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4)mushrum-vegetables d)a superset of

ans- 1-a,2-c,3-b,4-a.

(16) b,v,q,q,m,b,v,f,m,g,v,f ,f,v,f,m,b,v,f,b,g,d,v,f,a,m,v,f.v,f,f. how many v's are such that each v is followed by f next to it, if the f is not followed by f next to it.

(17)a power unit is there by the bank of a river 900 mtr wide. a cable is made from unit to power plant opposite to that of the river and 3000 mtr away from the power unit. the cost of the cable below water rs 5/mtr.and cost of cable on the bank is rs 4/mtr.find the point where cable cut thru river.

ans-2100

(18)my flight takes of at 2 am from a place at 18N 40E and landed 10 HRS later at a place with co-ordinates 36N 40W.WHAT IS THE LOCAL TIME WHEN MY PLANE LANDED.

a) 2.50 pm,b)6.00 pm, c) 6.40 pm,d)8.00 pm

ans- for every one degree from east to west or west to east there is time change by 4 minute.if we r going from east to west then subtract the time otherwise add. here plane is going from 40 dgr east to 40 dgr west.therefore there is total change of 80 dgr i.e by $80 \times 4 = 320$ minutes or 5 hrs and 20 minutes.therefore time taken by plane is 2+8-5 hour 20 minutes i.e 6.40 pm.

(19) if A,B,C are thr mechanisms used seprately to reduce the wastage of fuel by 25%,20%,10%. what will be the fuel economy if they will be used combinedly.

ans- $75/100 \times 80/100 \times 90/100 \times 100 = x$ then ans will be 100-x.

(20) which of the following is orthogonal pair

a) $5i+3j$ b) $i-2c$ c) $2i-j=3d$ c) $3i=5j+6$

ans-ac.

there were three questions on ven diagrams,three questions on bar graph(easy only)

critical reasoning- just gre 12th edition model test papers.

my interview lasted for 15 to 20 minutes.there were very friendly.

sir-how r feeling now?

me- fine sir.

sir-tell abt ur self?

me- a brief details of my education and my family along with my strength.

then he made a comment on my academic perfomence saying that u have mainted 80+ throught. i told with with a smile- no sir i have maintined above 85. then he again gave me a smile and said ok.

sir- what is ur strength?

i told i m very punctual and sincere.friendly and coperative,i can easily mingled with the people. i can adapt to any new situtation very shortly.

sir: what is ur weeknes?

i started saying- one of my weekness is,he interupted and asked me do u have so many weekness,then i told no sir it is my major weekness.i told my inability to say no to others is my weekness.then he told its good only,i told no sir some times it becomes my weeks for others,then he told any way this not causing any harm to otherrs then its ok. friends pls do not mention any such weekness that may cause harm to others.and convince the interviewer that we are working on it.

sir- what r your technical skills

me- sir i know c++,c in software and i m comfortabe with engg. mechanics and themodynamics in my core mechanical engg.

sir:what is engg. mechanics?

me- said.

sir: laws of thermodynamics?

entropy etc.

i said

then second person asked me- what is negative entropy.

me-sorry sir i have not heard this term { i think i should not have told this sentense,we should just say i do not know sir }

they asked me about my project and many question from that like what challenges you faced,are all members co-ordinating well etc.

at last he gave me a puzzle that was very tough, i tried ,he encouraged me saying that you r going in right direction, but i could not complete. and i said sorry sir.

then he asked do u have any question for us?

iasked- sir may i know what are your expectations from us when we joining the company as a freshers.

all the three explained me very nicely.

they were very friendly and co operative,frinds they are looking for the person with right attitude and appitude make them feel that u r good as a person u can work well in a team.they will take u.

i was satisfied with my performance,next day result was announced my nname was there. ok very best of luck ,see you in tcs.

TCS PAPER ON 7th MAY AT JAIPUR

Hello friends,I am abhinav sharma,from LNMIIT,jaipur....here I would like to share my experience with you people...TCS came on 7-8 may,07....On 7th there was written(apititude) test.....

Total appeared:: 80

Written qualified: 76

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Finally selected : 37

1) let me introduce you with the written part first, Test was taken on computer, it was an easy one, just because it was same as previous yrs. Papers. so friends plz plz make sure that you do previous papers. maths questions will be same.... and for English prepare gre barrons high frequency words list. And for critical reasoning just mug up gre barrons 12th editions critical reasoning questions, as it would be as it is.. I have not mentioned any question here just because they were same as previous papers

2) second came was technical interview It was not an easy one, make sure one thing that whatever you write in your C.V, be honest in that, they will ask on that, n prepare your projects very well So here are the following questions asked:

- 1) asked about piggybacking
- 2) what is storage classes
- 3) explain static and global
- 4) FTP works on which layer
- 5) UDP
- 6) On which layer UDP works
- 7) Foreign key
- 8) Can foreign key have null values
- 9) Osi layers
- 10) About my projects
- 11) Network layers has udp, tcp/ip protocols give the protocols in other osi layers
- 12) Sliding window protocol
- 13) In sliding window protocol if packet 1's ack doesn't arrive, and packet 2 has been sent then what will happen
- 14) Given a prog. And given static variable n global variable and made 4 functions. And asked outputs at different different stages
- 15) Many more were asked but I remember only this much

My technical interview lasted for 35 mins.

3) Then I was called for MR & HR interview

So the hr guy in front of me was looking very dangerous But friends be confident and maintain your body language. And be fluent with your English. So here is what he asked First of all be well dressed, no beard, confident while walking too, As I was having little beard that day... and he questioned me about that.... But I satisfied him by giving the true reason for it.

So here starts the questioning :

- 1) asked to give my introduction
- 2) give me 3 reasons, why should I take you
- 3) asked about GPS (global positioning)
- 4) rank in class
- 5) types of scripting language

- 6) in which section you would like to work (mind you, plzzz pay attention to their presentation)
- 7) RFID (radio frequency identification)
- 8) Where will you find yourself after 5 yrs
- 9) Datamining
- 10) Artificial intelligence
- 11) How AI is implemented
- 12) Give/introduce an algorithm to implement artificial intelligence
- 13) Datawarehousing
- 14) Have you done anything beyond the course
- 15) Wat passions you have
- 16) If we take you then wat will you do in your final yr.
- 17) Then he just shaked hand ,and questioned me that why your hand is coldi mentioned that may be due to sweat....then he said it means ur feeling nervous,then I said no sir, its something related to biology.....
- 18) Then he asked if we don't take you then wat will you do.... I answered: I'll overcome my negative points n will bounce bak to TCS ,whether in offcampus or anywhere...

That is all friend ,after that late night we got the result , and now im very happy to be selected in the asias no. 1 soft. Company...

TCS PAPER ON 7th OCTOBER 2007

Hi guyz, I am very happy to say that shortly I will be member of TCS. It was a smooth Journey for me to get into TCS. I would like to share my Experience with you..... Hope this will b useful in your preparation towards getting into TCS.

Pattern:

- 1) WRITTEN TEST
- 2) TECHNICAL INTERVIEW (TECHNICAL ROUND)
- 3) MANAGEMENT REVIEW (MR ROUND)
- 4) HR INTERVIEW

- 1) WRITTEN TEST:

First Most important thing that everyone should do is to go through last 10 -15 previous papers.... It is more than sufficient to clear the Written Test.

To clear the Aptitude Section..... Try solving all Aptitude problems in last 10-15 papers. Just learn how to solve them (This will be useful if the numbers are changed for similar type of problems). For most of questions you will find answers in the previous papers itself. Just mug up the answers for those problems where you don't find the method to solve the problem.

To clear Critical Reasoning section of Written Test... Go through Barrons – 11th or 12th Edition.

To solve Verbal Section..... prepare Synonyms and Antonyms for TCS which is given in Chetanas. Try to go through GRE Barron's wordlist if you have Time (Concentrate on words starting with A, C, I, P, R, S and T).

Questions I Remember:

Verbal:

- 1) Candid
- 2) Inveterate
- 3) Inter
- 4) Incurable
- 5) Banal
- 6) Indigenous
- 7) Amnesty
- 8) Regal
- 9) Vociferous
- 10) Vogue

2) TECHNICAL INTERVIEW

Don't worry... This won't be much tough as you may expect.

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First Essential requirement here is Good Communication Skills (Even above Average communication skills will suffice if u r good at Technical skills.....).

Second Most important Thing is Prepare your Project well and Concepts revolving around your Project.

Third most important thing is Average to good Technical Skills (Average Technical Skills will suffice if u r good at Communication Skills...)

Prepare about Tell me about yourself very well with related answers. This is place where you impress the Interviewer at Fist site.

Just go through following Topics:

- 1) C
- 2) C++ (concentrate on OOPS Concepts)

Learn Small Programs in C and C++ like.....

- a) Factorial.
- b) Prime Numbers.
- c) Palindrome.
- d) Reversing the Given Number.
- e) Reversing the given String.
- f) Concatenation of Two Strings.
- g) GCD
- h) Programs to print Numbers in Different Patterns like Triangle Shape etc.
- i) Sorting Programs (Insertion Sort, Selection Sort)
- j) Searching Programs (Sequential Search, Binary Search...)
- k) Learn Atleast one Program on each concept of OOPS.....
- 3) Data Structures (Concentrate on Stacks, Queues, Trees)
- 4) DBMS Concepts
- 5) Operating System Concepts (Just Fundamentals)
- 6) Software Engg. (Just Basics like Different Phases of SDLC, Testing Types etc....)
- 7) Core and Advanced Java
- 8) SQL (If you Know PL /SQL also prepare well for this)

My Experience:

- 1) Diff. b/w Primary Key and Unique Key.
- 2) What is Foreign Key?

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- 3) What is Cursor?
- 4) What are Different types of Cursors?
- 5) Different Phases of SDLC ?}
- 6) What is Function Overloadin and Explain with Example?
- 7) What are Different Keys that you use in a Table?
- 8) What do mean by a Database Object?
- 9) What are all different Database Objects that you know?
- 10) Overloading VS Overriding
- 11) What is Data Mining?
- 12) Explain some concepts that you know about Data Warehousing?
- 13) Questions on My Project.

I answered all the above Questions...

3) MANAGEMENT REVIEW ROUND

This is where they test following Skills in you:

- 1) Spontaneity (i.e., Spontaneous Reactions)
- 2) Versatility (Ability to do more than one work at a time)
- 3) Decision Making(They Give you a Situation and ask you to solve the problem according to that situation)
- 4) Managerial Skills.
- 5) Communication Skills.
- 6) Even sometimes they may ask you some Technical Questions.
- 7) They may also ask you to explain your Project.

My Experience:

- 1) Tell me about any situation where you have solved a technical problem and your professor has praised you?
- 2) Did u give any Seminars? I said yes..... Then they asked me to tell my Favorite seminar.... I said Importance of Data warehousing
Then I was posed Questions on Data warehousing and Difference b/w Data warehousing and Database.
- 3) Then they asked me to explain my Project and started asking me related Questions.
- 4) They even checked my Versatility.....Interviewer asked me to draw my Project Diagram and started asking me Questions related to other Topics switching very frequently between Different Topics without giving me any time to draw my Project Diagram

Here He might have tested my Spontaneity and Versatility.

4) HR ROUND:

Here they will concentrate mainly on your Attitude, Communication Skills, clarity in Thought and Ability to express your Ideas without getting much tensed.

Prepare Tell me about yourself very well. Most of Questions could come from this.

Prepare about following with relative answers:

- a) Strengths
- b) Weakness
- c) Hobbies
- d) About TCS – Clients, CEO, Future plans, Recent Acquisitions etc....

And other related Stuff.....

Test Pattern:

Section 1: Verbal : Duration 20 min

Synonyms 10

Antonyms 10

Fill in the Blanks 6

Reading Comprehension 6

Section 2: Quantitative : Duration 40 min

38 Questions (Mostly from previous Papers)

Section 3 : Critical Reasoning : Duration 30 min

3 stories : 3 *4 = 12 Questions

Synonyms & anto:

Quixotic – romantic

Jefferson – throwover board

Protean – versatile

Assuage – easy, satisfy, soothe

Fidelity – loyalty

Demise – death

Nettle – vex, annoy

Moratorium – legal delay of payment, suspension

Repine – quetch , complaint

Mellifluous – smooth , x harsh

Nettle (ANT)

muffy

nebulous

whimsical

Decollect

Melee

Furtive

Mundane

Repudiate

Quixotic

Felicitious

Protean

Ponderous: Heavy, Tedious, Cumbersome

Brakish : Salty, Briny

Pretentious: Ostentatious

Mulct: Money extracted as a penalty

Molify (soothe)X Enrage, Provoke

Solicit : Beseech, Seek

Veracity : Truthfulness

Subside : Wane, Drop

Amiable : Friendly

Scanty : Meager, Insufficient

Salient X Insignificant

CR: (All From BARRONS 12th Edition)

- 1) 2 types of marriage problem (Red – Brown).
- 2) Dog's problem... ..(name of the dogs) won the top of four prizes.....
- 3) Wallaci.... And Rumania are delicates from this two countries are
- 4) East liver pool Problem(6 cities)
- 5) University College Problem (j , k, l,...) Small college big university.
- 6) Pesth(Plumber and electracian)
- 7) One problem with number series (squares and cubes)
- 8) Joes apartment problem
- 9) US citizen (US born , Naturalized)problem
- 10) Scurvy problem (disease)

11) Mirmar hotel

GRE Barrons 12 th Edition PageNumber in the book

443	8-12
446	8-11
473	8-11
497	17-22
540	1-4
544	1-4
594	8-12
630	12-18
644	1-5

QA: Same as old question papers.(Refer Old Question Paper That's Enough)

1) Number of faces, vertices and edges of a cube

a) 6,8,12 b) 8,12,8 c) 8,6,12 d) 12,8,6

2) If M denotes modulus operation, R denotes round-off, T denotes truncation Find the value of the following expression : $(373,5)+R(3.4)+T(7.7)+R(5.8)$

a) 21 b) 16 c) 19 d) 13

3) If * represents square and > represents change in sign then what is the value of the following expression?

$*>*4->*>4$

4) If VKHOWHU is coded as SHELTER then PLOG is coded as ?

5) In the word TOTALITARIAN first and second, third and fourth, fifth and sixth and so on.. are exchanged then what is the eighth character from right?

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6) $g(0)=-1$

$g(1)=1$

$g(n)=g(n-1)+g(n-2)$

then what is the value of $g(5)$?

7) If $n = 10 \times 18 \times 26$ then which is not an integer ?

a. $n/65$

b. $n/76$

c. $n/90$

8) How many Y's are there in following letters for which it is followed by U and also U is not followed by R ?

Y U R I J N B H K Y U I J H N G K U Y U Y U

R U Y U Y Y U U U R T G H J K Y U Y

7. Complete the series 65 33 17 ? 5 3

8. The volume of a bucket is given by some formula that $P(n) = 400 \times \sqrt{n}$ (Didn't remember rest)

9. Three machines A B C are used in an industry which saves the fuel 40% 20% and 10% respectively. Assume that they all run individually. Then what is the combined percentage of fuel efficiency when they work together?

10. Temperature of a city is calculated using the formulae $t^2/6 + 4t + 12$ where t is the time from midnight. Then what is the percentage of raise [or fall] in temperature from 3pm to 6pm?

11. GRE Barrons Pageno 450 Question number 8 – 12

12. What is the numeric value of $A - (B \times C)$

A

1
1
1

B

1
0
1

C

0
1
1

A-(BnC)

Passage

In a Basket ball team A,B,C,D,E,F and G are seated in a rectangular desk such that,

A and G should go soon, so they should sit to right extreme of the table

E and F are friends so they should sit together

B is the caption of the team so he should sit in the center

C and D should be kept as far as possible..

13. Which pair cannot be seated on either extreme?
14. Who cannot sit on any extreme end?
15. which pair cannot sit together?
16. If neither D nor E can sit near B then how many different seating arrangements are possible
17. Which is the exact power of 2?
a.2084 b.2004 c.2400 d.2048

Note : There is an upper cutoff mark.. so becarefull while answering all the question..

Technical and HR.....

In technical they shoot questions only in what u mentioned in Resume...

So Be prepared with ur resume.....

They asked introduce yourself

I gave intro including my achievement during schools and colleges...

2. They asked some questions in C, OOPs, .
3. About my projects which I had mentioned in Resume...
4. My Strengths and weakness..
5. They also asked in general.. about Ramadurai, about Tcs, about Sunitha Williams..

TCS PAPER ON 9th JUNE

Hello people, This is Shanmugha Priya R

The aptitude test was on 9th and for the short listed students the technical, HR and the MR rounds were on 10th. FreshersWorld.com helped me and my friends so much to get into TCS. We thank all those who had contributed placement papers to freshersworld.com.

Aptitude test (9th June 2007)

This will be the easiest round because you would have already known the pattern, i.e. the type of questions you are to get. It was an online test. Different question papers for each one of us and were generated by the software. Time management is very important.

There were three sections: Verbal, Quantitative and logical reasoning. No sectional cutoff.
Verbal: Synonyms, antonyms, fill in the blanks of a paragraph, reading comprehension.

For synonyms and antonyms, be thorough with the high frequency words in Barron's GRE. It will help you a lot. Though not all the synonyms and antonyms will be from Barron's, you would have got familiar with some words and so you can answer some.

Instead of sentence completion, I had paragraph completion. A paragraph with 5 blanks and 8 choices (sentences) were given. Choose the right sentence to be filled in the blanks from the given options.

The last one was RC. I didn't have time to do it. So, I just selected the options. If you have time, read the questions and then search for the answers in the given passages.

Quantitative: Try to solve a good number of previous question papers. The papers in this site are sufficient. Once you are thorough with the procedure of each type of question, then there is nothing to worry. This will be the easiest of the three sections in the aptitude test.

Very Important: There will be dummy questions. I.e. there will be no answers for those questions. Please try to identify those dummy questions and don't answer them. You won't be selected if you attend those dummy questions.

Know how to solve the following kind of problems,

Problem on Ages

Mixture: Ex: In a mixture, R is 2 parts, S is 1 part. In order to make S 25% of the mixture, how much R is to be added?

Average: Ex: Gavaskar's average in first 50 innings was 50. After the 51st innings his average was 51 how many runs he made in the 51st innings?

Economy of fuel: Ex: A, B and C are the mechanisms used separately to reduce the wastage of fuel by 30%, 20% and 10%. What will be the fuel economy if they were used together?

Time and work

Time, speed and distance

Cost of products

Coding: Given a word, interchange the first and second letter, third and fourth letter and so on, find the nth letter from right or left.

Ex: BFGE is CEHD, then, what is PVHDJ?

Curves: know the curves for sine x, cosine x, tan x, ex., e-x, log x, etc.

Data Interpretation: Bar charts, Pie charts, tables.

Direction: Ex: My flight takes off at 2am from a place at 18N 10E and landed 10 Hrs later at a place 36N70W. What is the local time when my plane landed?

Problems on Set: Ex: AU (B-C) with values of A, B & C in bits format

Number system: Ex: In which, decimal number 384 is equal to 1234?

Prime numbers: Know the highest number and the highest prime number that can be stored in a 6 bit, 7 bit, 8 bit, 9 bit computer.

Processor	largest no.	largest prime no.
6 bit	63	61
7 bit	127	127
8 bit	255	253
9 bit	511	509

Units:

Velocity=m/s;

Acceleration=m/s²;

Mass=kg m/s;

Force=kg m/s²;

Energy=kg m²/s²;

Power=kg m²/s³;

Logarithms: Ex: If $\log 0.317 = .332$; $\log 0.318 = .3364$, then $\log 0.319 = ?$

Problem on a Venn diagram:

Ex: a Venn diagram on no. of people who know only English, only French, only German, both English and French, French and German, German and English, know all the three.

->How many know English more than French?

->What % people speak all the three languages?

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->What % people speak German but not English?

Odd one out:

a. LINUX b. WINDOWS 98 c. SOLARIS d. SMTP

a. JAVA b. LISP c. Small talk d. Eiffel

a. Http b. arp c. snmp d. sap

a. Linux b. windows NT c. SQL server d. Unix

a. SAP b. ARP c. WAP d. TCP IP

a. Oracle b. Linux c. Ingress d. DB2

a. SMTP b. WAP c. SAP d. ARP

a. WAP b. HTTP c. BAAN d. ARP

a. SQL b. DB2 c. SYBASE d. HTTP

a. Oracle b. Linux c. Ingress d. DB2

Other simple problems like Standard deviation, Address of an element in a matrix, temperature, recursion, series, weights, triangle, cube, percentage, power of 3 or 4, orthogonal pairs, mathematical symbols like @, #, etc used for operators, weights..

Logical reasoning:

Refer Barron's GRE 12th edition. Solve the 5 model question papers along with the exercise given in the book. If you don't understand, just mug it up. But, you will have enough time to solve them. 20 or 30 minutes for three paragraphs each with 4 questions.

I got all the three questions from the model test papers from the Barron's. You will know the results once the duration of 90 minutes is over on the screen itself. And yes, I was selected.

Interview (10th June 2007)

Technical and HR interviews were together.

The interviewer was very friendly. He asked me to introduce myself. I did that. Some personal questions. Then, he asked some questions on my project and some on DLL (Dynamic Linking Library). Some more technical questions. I was cool and answered confidently. I didn't know one answer, but I was managing to answer something and he helped me by explaining the concept. Then he asked me if I were posted in New Delhi,

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will I go. I said yes and something else and he was impressed. He wished me all the best and we shook hands.

That was it. I got through this round also.

Managerial Review

A panel of two interviewers was there. One member asked me about my strengths and then my goal in my life. My answers were genuine and satisfactory. And this was also over.

Results were announced late night. And, I was through.

There were stress interviews also for some of us. Keep your cool. Answer confidently. Everything depends on your attitude. For computer science and IT students, be thorough in your concepts. Basic concepts in OS, DBMS, Data Structures, OOPS, Computer Networks, Software Engineering, must be known. Concentrate on C and C++, even if you don't know anything in java or any other high level programming languages. Just say you don't know those languages. Good Communication Skills is important in all these interviews. Take enough copies of your resumes and passport size photographs and all the necessary certificates.

The most important thing is, always pray to God. Be confident. Prepare well. All the best. God will always be with you.
Shanmugha Priya R J

TCS INTERVIEW ON 11th MAY AT SRINAGAR

Hi guys. I am Rohit Reddy, a student of Civil Engineering at the National Institute of Technology, Srinagar . I am in my 6th sem. I got selected for TCS.

The written test was conducted on 4th May, 2007. The cut off was fixed at 50. I consider myself lucky as I scored 50 marks. Out of 160 guys who appeared for the written test, 93 were selected for the interview. For the written test, I prepared from Barron's High Frequency Word list. I also prepared from the previous papers of TCS downloaded from various websites. The interview was on 11th May, 2007. This gave us ample time to prepare for the interview.

I prepared for the interview from Balagurusamy. I also prepared from the FAQs at interviews again downloaded from various websites. When the guys from TCS arrived at

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our college, they decided to hold three rounds – technical, management and HR. But, due to lack of time, they decided on only two rounds – technical and HR.

Interviewer: Hi Rohit. So your branch is Civil.

Interviewer: Then, why are you switching to IT.

Interviewer: So, what have you done so that you can expect a career in IT.

Me: Sir, I learnt C.

Interviewer: Write a program for the Fibonacci series.

Interviewer: What is your favorite subject?

Me: Sir, I like surveying.

Interviewer: Surveying is so difficult. We do not know about it. Ok. Surveying contains maps, contours and all that right?

Me: Yes sir.

Interviewer: Tell me what is isobar.

Interviewer: What is an isotope?

Interviewer: What is isotherm?

Interviewer: Ok, if you want to survey this room, what will you do?

Interviewer: If this room had small hills, how would you show them in the map.

Interviewer: Can I ask you from strength of materials?

Me: Yes sir.

Interviewer: What is RCC?

Interviewer: Do you know about rebars?

Me: No sir, I do not know.

Interviewer: What will we do to increase the strength of RCC.

Interviewer: Tell me why do we not use iron in the place of concrete?

Interviewer: What is a cantilever?

Interviewer: When we apply a load to it, how will it bend?

Interviewer: Where would we use cantilevers?

Interviewer: What is a truss?

Interviewer: Can you draw one?

Interviewer: Explain the load carrying mechanism of the truss.

Interviewer: Ok Rohit, I am going to put one last question. Suppose we have two rocks and an iron rod in between. When we apply a load on it, will it bend?

Interviewer: Can you prove mathematically that it can bend?

Interviewer: Ok Rohit, do you have any preferences in working. Do you want to stay with your parents or anything like that?

Interviewer: Can you draw a circle with a dot inside?

Me: Without lifting the hand?

Interviewer: That is obvious.

Me: (I just shrugged.)

Interviewer: Do you have any questions?

Me: No sir.

Interviewer: No questions?!!

Me: No sir. I was there at the ppt and I do not want any clarifications.

Interviewer: Ok Rohit.

Second Interviewer: You can wait outside.

The HR interview went as follows:

HR: Hi Rohit. How are you? Please take your seat.

Me: Fine madam, thank you.

HR: Hi Rohit. Do you like Srinagar ?

HR: Why?

HR: You are basically from Chennai?

HR: You have a very good academic record. What was your rank in +2?

HR: What are your interests?

HR: Where do you see yourself in 3-4 years from now?

HR: Do you have any questions?

HR: Ok, Rohit. You can leave. Bye

The interviews went on till late night. The results were declared immediately. 53 guys were selected.

What I came to know from the selection process is: The written test marks do not count as I scored the minimum and got selected, but, the guy who topped the written test was not selected

TCS PAPER ON 21st JUNE AT HYDERABAD

Hello friends, I am happy to say that , i got selected in TCS. TCS came to out campus (JNTU Hyd) on 21st june.

Package : 3.15L approx (B.Tech)

3.3L approx (MTech/MCA)

The selection procedure as follows.

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1. Written test (online)
2. Interview
 - Technical Round
 - Management Round
 - H R

1. Written Test:

a) Verbal : (32qs)

Synonyms(10 q) - i got only 2/10 from prev papers, but my friends got more 4m prev papers.

Antonyms(10 q) - i got more words from GRE 15th edition book (4m model papers n exercise)

Reading Comprehension & Sentence completion (12 q)

b) Aptitude: (38qs)

Prev papers are enough.

c) Critical Reasoning : (12qs)

I got motorist related problem , three parties conservative ,democratic ,... and partu ,bahru passage ,but names have been changed.

All qs 4m GRE 13th edition , go through that one, my friends said that only mug up .Ok may it fine, but don't mugup blindly(options like CCBC), bcz they mayn't ask all qs relating one passage.My friend got one passage ,which has 6 qs ,but only 4 qs came.

2. Interview :

a) Technical :

I have been asked more qs on project(bcz i am a post grad). Most of us say that , u need to be more confident to get TR. Yes , u should answer confidently. Actually ,my level of confidence is not much high. I though that , i may rejected ,i had chances of 50/50 . But luckily , i cleared TR.

If u are just comleted ur grad or if u r post grad , plese go through the project once ,the most of qs from project only.they may ask to draw data flow diagrams (to know the flow of project) also. If u are final yr student, they may ask qs on project u r going to do.

Other than project ,they asked me , qs related to area of interest. and also qs on oops concepts and my area of interest (i said Comp Networks).

so prepare c,c++,dbms(must 4 CS students) other qs are based on technologies, u put in resume

b) Management Round :

In this round , they may ask qs related to technical/puzzles/hr . here my performance was well.

c) HR round :

I faced qs like these

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- Why TCS
- What do you expect 4m TCS as a fresher
- Qs on long term goals(10 yr), short term goals(3-5 yr)
- What are the reasons for gap (i have gap of one year b/w my grad n post grad)

Some of friends ,whose performance is above avg in TR also forwarded to MR. But they didn't clear the MR. Some students cleared MR , but rejected at HR. So , "Don't be complacent ". ur prev round performance carried to further rounds.

Most of think that , if u r clear Technical , i get selected. I think it's may wrong. In my college some students not clear MR and HR also.

Out of 570 (appeared 4 written) 144 got selected (B.Tech+MCA+MSIT+MTech).
Around 40(I don't know exactly) students out 144 from MTech only.

All the best for students who wish to be in TCS.

TCS PAPER ON 21st MAY AT TAMILNADU

hi friends

FIRST OF ALL I WOULD LIKE TO SAY THANKS TO FRESHERSWORLD. IT HELPD ME ALOT TO GET IN TO ASIA'S BEST COMPANY.

TCS CAME TO OUR COLLEGE ON 21ST MAY.....ABOUT 720 STUDENTS APPEARED FOR THE TEST... 500 CLEARED THE WRITTEN.....

TCS PACKAGE(package was 3.15 for engg. students and 3.31 for mca or mtech students)

AT LAST 355 WERE PLACED IN ASIA'S TOP COMPANY.....

THERE WERE 3 SECTIONS.....

1.ENGLISH GENERAL(SYNONYM 10,ANTONYM 10,READING COMPREHENSION, AND SENTENCE COMPLETION(QUITE TOUGH))

2.GENERAL APTITUDE(38 QUESTIONS) INCLUDING DI AND VENN DIAGRAM(EASY ONES)

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3.CRITICAL REASONING 3 QUESTIONS(EVERYTHING FROM GRE BARRRONS 12TH EDITION...

SOME OF THE SYNONYMS ARE.....

SORRY FRIENDS I WAS NOT ABLE TO REMEMBER.....BUT IT WAS QUITE TOUGH..... BUT ALL WERE FROM GRE BARRONS 12EDITION WORD LIST.....

ANTONYMS WERE.....

CHAGRIN...GO THRU ANTONYM QUESTIONS FROM BARRONS 12TH EDITION....ALL WILL BE COMMON

FOR APTITUDE...PREVIOUS YEARS PAPERS ARE MORE THAN SUFFICIENT. SAME THING IS ALMOST REPEATED. very very easy questions

HERE ARE SOME OF THE QUESTIONS I REMEMBER

1. It was a Number series

4, -5, 11, -14, 22, ---

n^2-1 series.....3 8 15 24 ?

2.What is the largest prime number that can be stored in an 8-bit memory?

3. Select the odd one out. a. Java b. Lisp c. Smalltalk d. Eiffel.

4.What is the largest prime number that can be stored in an 8-bit memory?

5. It was a word SENSATIONAL if you interchange 1st word with 2nd ,3rd with 4th n so on whta will be the 12th word from right..?ans.E

6.Select the odd one out a. Oracle b. Linux c. Ingress d. DB2

7. What is the largest 7 bit prime number ? Ans := 127

8. A = 0 1 0 1 0 0 0 1

B = 0 0 0 1 1 0 1 0 0

$$C = 011001110$$

what is $(A \cup B) \cup C$? there was no answer for this ques..... so i left this ques.....

9. The size of a program is N . And the memory occupied by the program is given by $M =$ square root of $100N$. If the size of the program is increased by 1% then how much memory now occupied? ans.0.5%

10. A can copy 50 papers in 10 hours while both A & B can copy 70 papers in 10 hours. Then for how many hours required for B to copy 26 papers? Ans = 13

11. Find the singularity matrix from a given set of matrices?(Hint $\det(A) \neq 0$)

12. Number of faces, vertices and edges of a cube . ans 6,8,12

13. In a two-dimensional array, $X(7,9)$, with each element occupying 4 bytes of memory, with the address of the first element $X(1,1)$ is 3000, find the address of $X(5,8)$?

14. One curve problem was given ..

x	y
0.99	0.001
9	0.9
99	1.998
999	3

If $y = f(x)$ find $f(x)$? Ans $\log x$

15. WHAT IS THE VALUE OF $M(373, 11) + R(7.8) - T(6.4) + R(3.4)$

M- MODULAS R- ROUNDOFF T- TRUNCATE ans.15

16. Find the singularity matrix from a given set of matrices

17. A power unit is there by the bank of the river of 900 meters width. A cable is made from power unit to power plant opposite to that of the river and 3000mts away from the power unit. The cost of the cable below water is Rs.4/- per meter and cost of cable on the bank is Rs.5/-per meter. Find the total of laying the cable ?

18. Find the value of $\sqrt{\sqrt{25} + \sqrt{16}}$, where $\sqrt{\quad}$ denotes "square" and $\sqrt{\quad}$ denotes "square root".

19. $G(0)=1, G(1)=1, G(N)=G(N-1) + G(N-2), G(6)= ?$

20. Match the following:

a. Brake CAR -> a type of

b mother women -> a superset of

c. Ceagle DOG -> A part of

d. mushroom vegetable -> Not a

very easy

21. A Flight takes off at 2 P.M from 32 N 40 E and travels for 10 hours to reach the destination which is at 12 N 40 W. Find the local time of destination when the flight reaches there? ans. 6.40p.m

22. 3 questions from piechart about subjects passed (easy)...

23. 3 questions about a graph about production of resources in varios years..quite easy..

24. The size of the bucket is N kb. The bucket fills at the rate of 0.1 kb per millisecond. A programmer sends a program to receiver. There it waits for 10 milliseconds. And response will be back to programmer in 20 milliseconds. How much time the program takes to get a response back to the programmer, after it is sent? ans. $10.011N$ (check it)

25. Which of the following are orthogonal pairs? a. $3i+2j$ b. $i+j$ c. $2i-3j$ d. $-7i+j$ ans. a&c

26. If A, B and C are the mechanisms used separately to reduce the wastage of fuel by 30%, 20% and 10%. What will be the fuel economy if they were used combined.

27. Match the following.

1. brother – sister ---> a. Part of

2. Alsatian – dog ---> b. Sibling

3. sentence – paragraph ---> c. Type of

4. car - steering ---> d. Not a type of

Ans. 1-b, 2-c, 3-a, 4-d

28. $(\text{force} \times \text{distance}) / (\text{velocity} \times \text{velocity})$ ans: mass
plz check all the ans.....

REASONING (12 questions from 3 passages)

one is that which starts with professor..... , second is that abcdef.....ie.a is west of d and east of f(like that it comes).....third is that a,b,c or w gives e.....like that it starts.....all from barrons 12th edition.....

INTERVIEW

introduce ur self..... about software project.....explained.....then ques on that..... about bond & they asked whther to work anywhere..... it was coolenjoyed interview.....

if u have a project.....just get a good knowledge abt it..... but some of my friends had interview for 40 -5 0mins.....

10 mins. interview in my case.....but just keep ur cool..u will clear it with ease..at any cost dont lose confidence.....

and all the best to all of u....

finally results were announced..... and my name was read in selected list.....

SO GUYS JUST BE CONFIDENT...AND REST IS EASY.....

ALL THE BEST....MEET U ALL AT TCS.....

TCS PAPER ON 22nd JUNE

hi friends, this is anusha.i belong 2 ece stream.tcs written test was a online test.it used qubex(question banking and online examination)software.3 colours vll b there.orange,yellow n green.one 4 still not seen the q,one 4 clicked the answer but not submitted,one 4 submitted the answer.

online test was of 3 sections.

- 1.verbal
- 2.quant
- 3.critical

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u can switch 2 any q within the same section but not 2 other section.n u can change the answer if needed.

VERBAL:-

it consisted of 10 synonyms,10 antonyms,6 rcs n 6 sentence completion.total time 4 verbal was 20 minutes.only three words were known 2 me.n also i couldn't even read all rcs n sentence completion.no time.

QUANT:-

this section was very easiest one.all questions were 4m previous papers.32 questions in 40 minutes.

1.If A, B and C are the mechanisms used separately to reduce the wastage of fuel by 30%, 20% and 10%. What will be the fuel economy if they were used combined. Ans 49.6%
2.some coding question.i dont remember the words.

3.first n second,3rd n 4th ,.....letters of some word are interchanged then what is the 10th letter 4m right?something of this kind.

4.A power unit is there by the bank of the river of 900 meters width. A cable is made from power unit to power a plant opposite to that of the river and 3000mts away from the power unit. The cost of the cable below water is Rs. 15/- per meter and cost of cable on the bank is Rs.12/- per meter. find the distance 4m something 2 something point.ans.2100(3000-900)

5.vertices edges and surfaces of a cube Ans-8,12,6

6.one graph was given.n question was what is that graph.ans.logx.

7.latitudes n longitudes of 2 places were given.time of travel n time of start was given n the local time when destination is reached is asked.

8.some data(in bytes) is transferred over a channel at a speed of something.....what would be the speed if N kball the answers were in terms of N like 0.001N,0.01N,1.010N,0.111N of that kind.i dint understand that question.

9.largest prime no that can fit in 6-bit memory.ans.61

10.Match the following.

1. brother - sister ---> a. Part of
2. Alsatian - dog ---> b. Sibling
3. sentence - paragraph ---> c. Type of
4. car - steering ---> d. Not a type of

Ans. 1-b, 2-c, 3-a, 4-d

11. Given \$ means Tripling and % means change of sign then find the value of $6 - 6\% - 6\%$ ANS : -72

12. The size of a program is N. And the memory occupied by the program is given by $M = 4000 \times \sqrt{N}$. If the size of the program is increased by 1% then how much memory now increased? Ans 0. 5%

13. related to memory address i was asked one question. starting address something was given of a some 2d array. each cell of 4 bytes. then what is the end address of some cell. note: here i was asked end address n some were asked start address of some cell.

14. The number 362 in decimal system is given by $(1362)_X$ in the X system of numbers find the value of X a) 5 b) 6 c) 7 d) 8 e) 9

15. select the odd one a. LINUX b. UNIX c. SOLARIS d. SQL SERVER Ans: SQL SERVER.

16. select the odd one. a. Oracle b. Linux c. Ingress d. DB2 ANS: LINUX

17. Which of the following are orthogonal pairs? a. $3i+2j$ b. $i+j$ c. $2i-3j$ d. $-7i+j$ ans a, c

18. What is the power of 2? a. 2068 b. 2048 c. 2668 Ans: 2048

19. one expression was given consisting of modulus, truncation, roundoff. evaluate it.

20. $G(0) = -1$, $G(1) = 1$, $G(N) = G(N-1) + G(N-2)$, $G(6) = ?$ ans. 3

21. SERIES: 2, 7, 24, 77, ? ans. 238

$7 = (2 \times 3) + 1$; $24 = (7 \times 3) + 3$; $77 = (24 \times 3) + 5$; so next term is $(77 \times 3) + 7$

22. A, B, C were given as 8 bit numbers n was asked 2 find $(A \cup B) \cap C$ where U-union; \cap -intersection.

23. Which of the following set of numbers has the highest Standard deviation?

a) 1, 0, 1, 0, 1, 0 b) -1, -1, -1, -1, -1, -1 c) 1, 1, 1, 1, 1, 1 d) 1, 1, 0, -1, 0, -1

24. In Madras, temperature at noon varies according to $-t^2/2 + 8t + 3$, where t is elapsed time. Find how much temperature change 4m 4pm to 9pm.

25. A and B can do a work in 14 days. if A is twice efficient as B. then how much time does he alone take to complete it?

26. TWO STATIONS A & B ARE 110 KM APART. ONE TRAIN STARTS FROM A AT 7 AM, AND TRAVELS TOWARDS B AT 20KMPH. ANOTHER TRAIN STARTS FROM B AT 8 AM AND TRAVELS TOWARDS A AT 25KMPH. AT WHAT TIME WILL THEY MEET?

A. 9 AM B. 10 AM C. 11 AM D. 10.30 AM

27)(Momentum*Velocity)/(Acceleration * distance) find units. ans mass

29-32 two data interpretation problems each having 3 questions.

CRITICAL REASONING:-

all the 3 were 4m 12th edition barrons test papers.

1-4.all G's are H's.all G's are J's or K's.....

5-8.In the days of sailing ships.....scurvy.....

9-12

Mr.Pesth,.....Mick,Nick,Olive.....Steve,TOM,Ulysses,Vic,Wassily.....

TECHNICAL, MR, HR was on 23rd.

TECHNICAL:-

it was of 15-20 minutes.tech sir was very serious around 40 years.not at all smiling a bit.

1. asked on c language(one program,structures,pointers).

2. said to speak on any communication subject.

3.tell me abt ur self?

4.why s/w?.....

5.u belong 2 ece n now u want 2 enter into software.....u shouldnot change ur path in this way.u must stick 2 ur field.....

6.then y did u choose ece?

7.why tcs?

8.vll u accept nightshifts?

9.how many continuous 24 hours can u work?

i said not more than 3 days.

MANAGEMENT ROUND:-

it was of 15 minutes.though mr round he even asked me on technical.he was around 35 years n not serious at all.he was freely talking.

1.ET theorems

2.STLD nor,nand gates.....

3.tell me abt ur self?

4.strength n lacking point

n said abt my strengths n when i said my weakness is,he interrupted me n said "u shouldnot use 'weakness' word 4 weakness.n said whenever u use the word weakness for weaknessit shows that u r weak in weakness".actually i dint understand that.i just noded my head n started saying i am lacking in.....

5.ready to go to any place?

6.ms?mtech.....?

7.y tcs?

8.any q's?

HR:-

it was of 20 minutes.he was <30 years.not serious n also not free.

1.tell me abt ur self?

2.leadership qualities?

3.strengths n weakness? i xplained vth xamples.he was interestedhe started laughing on my answers.

4.hobbies?

5.ready 2 join if in kashmir?

6.vll ur father accept?if so y?

7.MS/Mtech?

8.y software?

9.if u wont get in tcs.....? i said i vll try 4 the next company.he said so u wont wait for tcs again?i said no.....

10.how much confident u r that u vll get in tcs? i said 90%.he said y not 100%.no one is saying 100% n all the students before u said 80%.i said that i am 100% sure but if at all by chance something unfavourable happens i vll b depressed.so i am grading myself 2 90%.

11.howz ur relationship vth ur siblings?

12.do u know abt service agreement?n he xplained it though i said that i know n i am ready 2 sign it.

13.any q's?

on 24th morning results were announced.n i was very happy 2 see my name in the list.anyhow i was very confident that my name vll b in the list surely.but at the same time i was sad as few of our frndz who did very well were rejected.n there names were not in the list.

TCS PAPER ON 23rd MAY

Hi friends, I AM SUSHMA FROM THE DEPARTMENT OF ECE AND FRESHERSWORLD HELPED ME A LOT.AND I AM PROUD TO SAY THAT I GOT SELECTED IN ASIA'S LARGEST COMPANY.

FROM OUR COLLEGE 122 MEMBERS WERE SELECTED AND WE CREATED A RECORD IN ANDHRA PRADESH. COMING TO THE EXAM PATTERN THERE WILL BE A ONLINE EXAM FOR 90 MINUTES.

S1:VERBAL-10 ANTONYMS,10 SYNONYMS,READING COMPREHENSION,SENTENCE COMPLETION

S2:APTITUDE-38 QNS,40 MNTS

S3:CRITICAL REASONING-12 QNS(30 MARKS)

SECTION1 WILL BE FROM GRE BARRON'S I CAN'T REMEMBER THE ANTONYMS,SYNONYMS AND THE PASSAGE RELATED TO DARWIN'S THORY

APTITUDE:

- 1.find the missing term 26,63,-,215 like this
- 2.In the word prepositional interchange first with second,3rd with 4th,5th with6th and so on find the 12th word from right
- 3.Given three sides of a triangle find the one which is impossible (sol:sum of three sides is greater than third side)
- 4.A can copy 50 papers in 10 hours while both A & B can copy 70 papers in 10 hours. Then for how many hours required for B to copy 26 papers? Ans = 13
- 5.In a two-dimensional array, X(7,9), with each element occupying 4 bytes of memory, with the address of the first element X(1,1) is 3000, find the address of X(5,8)?
6. One curve problem was given ..

x	y
0.99	0.001
9	0.9
99	1.998
999	3

If $y = f(x)$ find $f(x)$? Ans $\log x$

7. WHAT IS THE VALUE OF $M(373, 5) + R(5.4) + T(7.4) - R(3.4)$

M- MODULAS R- ROUND OFF T- TRUNCATE ans:20

sol:divide 373 with 5 remainder is 11

$R(5.4)=5$

$T(7.4)=7$

$R(3.4)=3$

$11+5+7-3=20$

8.no.of edges,faces,vertices of a cube?ans:12,6,8

9.largest prime no of an 8-bit number? ans:251

sol: $2^8=256$ and largest prime is 251

10.if $G(0)=G(1)=1$ and $G(n)=G(n-1)+G(n-2)$ then find $G(6)$ ans:13

11. $@@+16-+@5$ where @ denotes square and + denotes square root ans:251

12.one qns on coding and decoding its very easy

13.which one is power of 3?

ans:the one which is divisible by 3

14.which one is not an integer given n =some no

a. $n/120$ b. $n/33$ c. $n/66$ d. $n/12$

15.conversion of a given no into base 6

16.given $M=4000\sqrt{n}$ then if n is increased by 1% then find % increase in M ?ans:0.5%

17.find the singularity matrix? ans:det=0

18.if $A=00001111$

$B=00110011$

$C=01010101$

find (AuB)uC

19.4 qns related to venn diagram they are very easy

20.4 qns related to pie chart

21. Select odd one out—

SQL Server, Ingress, Oracle, DB2, Java ANS=Java

22. Match the following (similar to this)

1. Girl-Women ---> a. A type of

2. Square - Polygon ---> b. A part of

3. Roof - Building ---> c. Not a type of

4. Mushroom - Vegetables ---> d. A superset of

Ans: 1- d, 2- a, 3- b, 4- c

23. one qns related to calculation of time on flights

24. In Madras, temperature at noon varies according to $-t^2/2 + 8t + 3$, where t is elapsed time. Find how much temperature more or less in 4pm to 9pm. Ans. At 9pm 7.5 more

In question first put $t=9$, we will get 34.5.....(1)

now put $t=4$, we will get 27.....(2)

so ans= $34.5-27=7.5$

25. $(\text{Momentum} \times \text{Velocity}) / (\text{Acceleration} \times \text{distance})$. Find units.

Ans: mass (Similar to this)

26. The size of the bucket is N kb. The bucket fills at the rate of 0.1 kb per millisecond. A programmer sends a program to receiver. There it waits for 10 milliseconds. And response will be back to programmer in 20 milliseconds. How much time the program takes to get a response back to the programmer, after it is sent? ANS: 30MILLISECOND

27. In a two-dimensional array, X(7,9), with each element occupying 8 bytes of memory, with the address of the first element X(1,1) is 3000, find the address of X(5,8).

28. A power unit is there by the bank of the river of 900 mtr width. a cable is made from power unit to power a plant opposite to that of the river and 3000 mtr away from the power unit. The cost of the cable bellows water Rs5 / mtr and cost of cable on the bank is Rs 4/ mtr. Find the pt where the cable cut through the river.

1.2800 2. 3000 3. 2100 4.3900

Ans: 2100

29. If A, B, C are the mechanisms used separately to reduce the wastage of fuel by 30%, 20%, 10%. What will be the fuel economy if they were used combine?

1)68.4 2)62.2 3)49.6 4)50.4 (ans 3)

30. A sequence of letters are given we have to the no. of letters according to the given condition

CRITICAL REASONING:

this will be from GRE barron's 12th edition. All qns are from 5 model papers if u are not able to solve them just mug the answers.

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I got the qns: model test1 section5(qns 1-4)
model test2 section 6(qns 17-22)
model test4 section6(qns 8-12)

SO READ THE PREVIOUS PAPERS FOR APTITUDE AND BARON'S FOR S3 AND ALL THE QNS WILL BE REPEATED BUT DON'T TRY TO REMEMBER THE ANSWER IN S2 THEY WILL CHANGE THE DATA JUST KNOW THE PROCEDURE

TECHNICAL:

this round is very easy to answer for electronics students prepare well C, DATA STRUCTURES, MICROPROCESSORS and basics of communications. know some basic programs like prime no's, fibonacci series, palindrome. Be confident so that u can clear this round

HR :

once if u clear the technical it's very easy to face hr. My HR is for 2 minutes only. But be careful there will be elimination in this round too. So just answer for qns in favour of the company.

BEST OF LUCK .BE CONFIDENT THAT IS THE ONLY SECRET TO GET JOB IN TCS

TCS PAPER ON 24th JUNE

Hi friends iam anup i got selected in tcs iam here to share with u some of my experiences

Firstly written test consists of 3 Sections

1. VERBAL: It consists of 32 questions and time given is 20 min verbal section consists of 10 synonyms, 10 antonyms, 6 questions on a comprehension and 6 questions on sentence completion.

synonyms and antonyms are mostly from TCS WORDLIST which is available in chetanas. They are easy it just takes 5 mins to complete the real tough ones are comprehension and sentence completion.

DONT worry friends whatever u lose in this section u can cover from remaining 2 sections. EVEN if u make many mistakes u can cover them all in following two sections. NO sectional CUTOFF in this section

2. APTITUDE

Its really easy u can crack 35 out of 38 questions just by REFERRING PREVIOUS APT. PAPERS. the time u are given is 40 min. there are some tricky questions better leave them

3. CRITICAL REASONING:

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12 questions from 3 passages in 30 min these are REPEATED FROM 5 MODEL TEST PAPERS OF BARREN'S 12th EDITION. HERE u can crack 12 out of 12.

SPECIALLY THERE IS NO UPPER CUT OFF which i got confused very much. Attempt as many questions as u can. this is about written test which I obviously cleared.

second round is TECHNICAL

as i was from ECE background i was asked to talk something about COMMUNICATIONS. I stated of with modulation and completed with all concepts of analog and digital. i was also asked about the technical paper i have presented. i was very good at my communication skills through which i impressed him alot

He asked me some silly questions like

1. What structures are
2. What pointer is
3. Difference btwn while and do while
4. difference btwn c and c++. i talke about security in c++ over c.
5. difference btwn c++ and java .I told that all complex things from c++ are removed such as pointers, templates ,multiple, hybrid, multipath inheritance to fom JAVA and java was basically for CONSUMER ELECTRONICS.

Then he asked me why i want to change my carrer from communication to IT.

I SAID THAT FROM MY CHILDHOOD I WAS INTERESTED TOWARDS PYSICS SO I TOK ECE BUT WHEN I ENTERED B-TECH I GOT FASCINATED TOWARDS IT AND I WANT TO BUILD A CHALLENGING CARRER IN IT. HE was totally impresed and stood up and said good anup

third round is managerial round (MR)

i was asked my life ambition and i said playing cricket was my hobbie
HE gave me a situation that SHANE WARNE WAS Bowling a flipper how would u face that given some fielding restrictions
THis just to test ur communication skills and ur handing situation capabilities

FINAL ROUN WAS HR

he asked me to tell about URSELF for which i had spent nearly 10 mins spend as much u can answer most of ur questions LOOKING INTO HIS EYES why iam saying it becaue when u look at him he forgets almost half of his questions. then he asked me

WHY TCS

WILL U WORK IN AFGANISTHAN (say yes and i will enhance the reputation of company there also)

DO U ABOUT SERVICE AGREEMENT OF 2 YEARS i said YES

are u redy to go through a medical examination when u are selected i said confidently yes sir HE SMILED and SAIB MEET U IN THE OFFICE GENTLEMEN

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I was very happy at that moment and he asked me any doubts i asked 2 to3 questions which he explained me clearly and cooly;

NEXT DAY MY NAME WAS IN THE SELECTED LIST

TCS PAPER ON 24th MAY

Hi friends, This is madhavi selected for TCS in first attempt, completed 3rd year in Narasaraopet Engineering College . I am very happy to share my experiences with freshersworld web visitors.

I think the information I am giving below will be very helpful to all who are going to attend for TCS Campus Selections. Our examination held on 24th may, 2007

The written test consists of three sections and the main important is the test is online test and be careful while filling answers.

The three sections are

1. Verbal section
2. Aptitude
3. Critical Reasoning

1. Verbal section:

It consists of
Synonyms of 10 marks
Antonyms of 10 marks
Comprehension passage of 5 marks
Sentence completion of 5 marks

Total Verbal section consists of 30 questions and must be complete in 30 minutes. So be careful.

Some of the questions I remember are

Synonyms :

1. Seedy
2. Buxom
3. fallible

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4. Misanthrope

Antonyms :

1. Cacophonous
2. delineate
3. decorum
4. equanimity

Most of the synonyms and antonyms are from GRE Barrons (GRE High Frequency Words) and prepare it well in addition with the root words in the GRE Barron's.

The comprehension passage I didn't remember but it is a very big passage that is very difficult to read and understand but time is very short .So I suggest that don't spend much time on comprehension passage .

Sentence completion is also just by practice. It is from GRE Barrons practice exercise.

2. Aptitude section :

In aptitude section there are 33 to 36 questions. Some of the questions I remembered are

- 1.) In the word "ORGANISATION",if the first and second, third and fourth, fifth and sixth up to last letter are interchanged and what will be the 10th letter from right ?
- 2.) In the given options which forms the orthogonal matrix?

a.) $2i+3j, 2i-3j$

b.) $2i+3j, 3i-2j$

c.) $4i+6j, 6i+4j$

d.) $4i+6j, 4j+6i$

Ans: b.)

3.)If M –Modulus of R –Round of T-Truncate then $M(373,7)+R(6.8)-T(3.4)+R(3.4) = ?$

4.)Which form a singular matrix (Hint : $\det A=0$)

a.) $\begin{pmatrix} 2 & -2 \\ 2 & 2 \end{pmatrix}$

b.) $\begin{pmatrix} 6 & -6 \\ 4 & 4 \end{pmatrix}$

c.) $\begin{pmatrix} 6 & 16 \\ 3 & 8 \end{pmatrix}$

d.) $\begin{pmatrix} 4 & -4 \\ 4 & 4 \end{pmatrix}$

5.) If PLEASE is coded as QMFBTF then QDSTQM is decoded as _____ ans.) RETURN

6.) What is the biggest 7 bit prime number that is stored in the binary format? Ans.
127

7.) Which of the systems 384 is equal to 1234?

8.) The size of the bucket is n kb. The bucket fills at the rate of 0.1 kb per millisecond. A programmer sends a program to receiver. There it waits for 10 milliseconds and response will be back to programmer in 20 milliseconds. How much time does the program take to respond? Ans: 30 milliseconds

9.) In Madras temperature at noon varies according to the temperature equation $(t^2)/6 + 3t + 12$ between the times 2:00 to 3:00 pm

10.) In a planar cube, the number of vertices, no. of edges and no. of faces are _____ ans:
8, 12, 6

11.) What is the value of $\sqrt{5} + \sqrt{9}$ where % - Square root # - Square

12.) $g(0)=1$ $g(1)=-1$ if $g(n)=g(n-1)+g(n-2)$ then what is the value of $g(6)$?

13.) $A = 00001111$ $B = 00110011$ $C = 01010101$ then find the decimal equivalent of $(A \cup B) \cap C$

14.) Which one of the following will be the exact power of 3?

a.) 2768 b.) 2678 c.) 2187 d.) 2188

15.) Pick the odd man out

1. JAVA 2. SMALLTALK 3. EIFFEL 4. LISP 5. C++ Ans: 3.)

16.) Select odd one

a.) WAP b.) HTTP c.) BAAN d.) ARP e.) SMTP Ans : BAAN

17.) Select odd one

a.) SQL b.) DB2 c.) SYBASE d.) HTTP Ans: HTTP

18.) Find units $(\text{momentum} \times \text{velocity}) / (\text{acceleration} \times \text{distance})$

19.) In a two dimensional array(9,7) with each element occupying 4 bytes of memory with the address of the first element $x(1,1)$ is 3000, find the address of $x(8,5)$?

20.) One problem is from time and work

21.) Complete the series 2, 7, 24, 77, ___?

22.) A power unit is there by the bank of the river of 750 meters width. A cable is made from power unit to power a plant opposite to that of the river and 1500 mts away from power unit. The cost of cable below water is rs.15/- per meter and cost of cable on the bank is 12/- per meter. Find the total of laying the cable.

23.) Match the following

- | | |
|------------------------|------------------|
| 1. Sentence, paragraph | 1. Type of |
| 2. Basmati, wheat | 2. A part of |
| 3. Brother, Sister | 3. Not a type of |
| 4. Breigal, dog | 4. Sibling |

24.) A plane moves from 9deg north 40deg east to 9deg north 40 deg west. If the plane starts at 10 am and takes 8 hours to reach the destination, find the local arrival time?

25.) WHICH SHAPE WILL BE OBTAINED BY USING THESE VALUES OF X,Y

X	Y
0	0.00001
10	1.02
100	1.72
1000	3.00
9999	4.72

26.) In the following string find the occurrence of F followed by u but that is not followed by R.

UFRUFDDYWZUUFF

27.) WHICH WILL GIVE GOOD STANDARD DEVIATION

1.) (7,0,-7,0,7) 2.) (7,-7,7,-7,7) 3.) (1,0,-1,0,1);

28.) WHICH IS NOT EA SIODE OF A RECTANGLE

1. (2M,3M,4M) 2. (3M,4M,7M) 3. (3M, 5M 9M)

29.) Six questions are from pie charts and venn diagrams which are very very easy.

3. Critical Reasoning:

The critical reasoning questions are from GRE barons (12th edition) model test papers. In this section there are three questions in which each consists of five sub questions. It is a very difficult section in which at least one question must be

completely correct.

One question I remembered is

A speaks Telugu, B speaks Hindi & Malayalam, C speaks Hindi & English, D speaks Telugu & Hindi, E is native of a Andhra Pradesh speaks Telugu & English then

1. Who can act as a mediator between A&C?

2. Who can act as a translator between A&B ? Etc., The other two questions are very very difficult.

After written test, the next day is the interview session in which totally 3 rounds are there namely,

Ø Technical round

Ø Managerial round(Stress round)

Ø HR round

The technical questions that were asked me are

§ Tell me about urself

§ What are your favorite subjects?

- § Why did you choose software industry?
- § How many marks do you keep on yourself on C language?
- § Write any program you like (I wrote GCD and LCM program)
- § What is a counter? What are the different types of counters?
- § What is a microprocessor and difference between microprocessor and micro controller?
- § Write an assembly language program for division ?
- § Are there any questions to ask?

After technical round Managerial round takes place and there the following questions are asked

- § Tell me about yourself
- § What are your strengths? Do you read journals or any magazines or newspapers daily? If so, what are they?

(I answered that I daily read CSR magazine and he asked which concepts do you like most. He was very impressed for that answer.)

- § He asked some puzzles and series completion questions and up to my level best I answered it.

After this round the main round is the HR round in which the following questions are asked

- § The first asked me is how r u and how much fine you are?
- § Can you say anything about social activities in 3 minutes?(I said about slum areas and responsibility of the educational persons)
- § Can you write about any latest technology in any field in 2 minutes?

(I wrote about Mobile internet radio technology called mundu technology and I wrote about it.He was very impressed)

- § Where do you want to see you in next 5 years?
- § If I place you in Iraq can you do the work?(Ans: yes sir ,definitely I do the job)
- § What do you know about TCS?(Latest achievements of the company)
- § For how many years do you like to sign on the bond?

The next day the results are announced and luckily I selected for it.

TCS PAPER ON 25th JULY

Selection date : 25 July 2007

hi guys and girls... m from NMAMIT,nitte

These are their written tests topics

- >> Verbal
- >> Quantitative Aptitude and paragraph
- >> Data interpretation
- >> Critical Reasoning

total duration will be 90 min... around 309 students appeared for the test.. 180+ got shortlisted and 118 got selected..WOW isn't it.. m tellin u its easy to get into TCS.. clear the written test and if u r confident enuf U R THRU!!!

VERBAL:

Refer the high frequency words from Barron's 12th edition.. most of them come from that itself and ya its an onlinetest so u just need to tick an option... no of antonyms and synonyms depepnds.. time alloted is 20 min...

Quantitative Apti:

There is nothin here to tell EXCEPT SOLVE THE PREVIOUS PAPERS FROM TCS.. IT IS MORE THAN ENUF... BELIEVE ME... i solved around 8 papers and nothing other than that came..and this is also the easiest part... guys..

sample ques:

>edges,surfaces,vertices of a solid cube..

>& is for doubling and ^ is for negation.. so what does &^&6-^&^6 give..

>M is for modulus,R-rounding,T-truncate.. they'll give an expression and u'll need to solve it... piece of cake isn't it...

and there are chances that ques repeat in the same section i got that cube thing 3 times;-)

there will be a papragraph question too...

Data interpretation:

Here they might give venn diagram and 4 ques on that.. nothin much to say.. keep solving.. and also there will be bar and pie graph and u'll need no solve another 4 ques usnig that.. its easy though..

Time allotted for apti and this is 40 min

Critical Reasoning:

This i felt was interesting and good.. they are really easy once u know the or understand the question... Plz refer Barron's 12th edition again there are 42 logical reasonin try to solve that... AND PLZ SOLVE THE 5 MODEL PAPERS.. BELIEVE ME IT WILL BE HELPFUL..

Then comes the INTERVIEWS there will be

>> Technical round

>> HR round

Technical:

Just be good with ur C/C++ skills, then u need to be good with the subjects like ADA,DS,DBMS and OS.. In my case i got ques from DC and CN.. but they were real easy ones..

Then If u HV DONE PROJECT BY URSELF.. please include that in ur resume they will question u on that.. and if u explain nicely ur job is guarenteed.. cause it shows u hv worked on something by urself..

some of my question were

>What are OSI layers and TCP layers?

>func of tcp layers?

>gateway?

>packets?

>header?

i think since i answered the first one he went on diggin in that field... don't worry it just shows u moved forward to next level.. keep answering and be confident to justify it PROPERLY...

>how is unix and linux diff

>i remember only one C ques nd it was on pointers.. what are static pointers..then he asked about my hobbies.. bla bla bla...

HR:

Since there were many people.. 4 of us together had 1 hr..

>told us to introduce ouself.

>Strengths and weakness.

>the gv a topic "Media affectin the society".. talk for 5 min and 2 min each to conclude.. JUST TALK... nothin else.. he only need to see that..

>then he asked about the bond and place where we would like to work...

Thats it.. Next thing we know We were selected...

And to all who don't get into TCS.. PLZ PLZ PLZ DON'T worry guys.. there are LOTS AND LOTS of companies out there.. FOR GOD'S SAKE PLZ KEEP TRYING... NEVER GIVE UP...

like Eminem had said in his song "U can do anything U set ur MIND to man..." i guess its true isn't it???.....

Test Paper :131

Paper Type : Whole Testpaper
Test Date : 25 July 2007
Test Location : LBS institute of technology, trivandrum
Posted By : Sreenidhi p r

Hi friends

I am sreenidhi. ECE .On july 25 th TCS came to our college for recruitment
We were told that we will be having

1.online test

Three parts[no sectional cutoff and no upper cut off]

1.verbal {go thru barrons gre 12th edition it will help u to do the best}

- a.synonyms
- b.antonyms
- c.fix with sentence
- d.comprehension

2.apititude

- 1.symbols @.....square
\$square root
@\$@25-@@\$9
- 2. given latitude and longitude . to find local time
- 3. venn diagram[3 qns based on that]
- 4.pie and bar chart
- 5.odd man out
- 6.match the following
- 7.missing no
- 8.men and work simple problem
- 9.qn on power plant
- 10.faces ,vertices,edges of cube
- 11.largest prime no that can be stored in 8 bit memory

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Chat with other engineers at www.123eng.com/forum

- 12.in word SIMULTANEOUSLY find the 12th letter from right by interchanging 1st letter with 2 and so on
13.count the no of d 's followed by s but s not followed by f from a given letter series
14.qn on power plant

sorry friends i remember this much only. do as much as previous qn papers

3. The most CRUCIAL part
CRITICAL REASONING

Just mug up the qns in model papers of barrons 12th edition

Then u can answer this part easily

I was qualified for the next part ie INTERVIEW

The interview for me was HR .some qns on

inheritances,microprocessor,pipelining

During hr they asked me abt myself,y being an ece student do u opt to this ?,location preference

And if i had any qns to ask

The results were out by 7 o 'clock and i am glad to say that

Now i am a part of TCS

TCS PAPER ON 25th JUNE

My name is Sanjana. TCS company visited our campus on 25th june 2007. there was an online test

1st section----- vocabulary contains synonyms, antonyms,sentence completion and reading comprehension [only 1 passage with 4 or 5 sub questions]
paasage will be there on the screen until we answer all the 5 questions
choices r there for each qn.

after 20 minutes it will automatically switch to the next section which is the quantitative aptitude for abt 40 minutes

it consisits of 2 parts

1st part most of the qn were from prev qn papers of tcs with their values changed like num series, memory addressing,coding,standard deviation,time and distance claculation.....

if u r thorough with the previous papers then this part will be easy for u

2nd part data interpretation

a pie chart and a bar graph each with 4 questionsthose types which r given in GRE barron's text

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section 3 ----- critical reasoning
3 qns and each contains 4 sub questions:

type:

section 1: for me this section was difficult

section 2: if u solve the previous years tcs qn paper and the qn in aggarwal's aptitude then this part will be easy for u and also data interpretation qn given in barron as well as in aggarwal's text

section 3: if u solve all the analytical reasoning qn given barron's 12th edition then it will be easy for u, for me the same qn which were there in barron's were asked with same choices solve those given in the model qn papers

Reference texts:

section 1: refer GRE BARRON'S 12TH/13TH EDITION

section 2: previous tcs qn papers,, refer R S AGGARWAL's quantitative aptitude

section 3: refer GRE BARRON 12TH EDITION ONLY THOSE QN. IN 12TH EDITION WERE ASKED:

so try to get barron's 12th edition

INTERVIEW:

FOR ME it was mainly hr

a lot of qn were asked usual qns

they asked each and every details written in the resume

i hav written in my hobbies section painting

they asked me to draw gandhiji's painting like that

they asked me to write a program in cpp and to explain it and some questions abt the pro, why we use iostream.h

what r classes, functions

i am an electronics student . 2-3 qn based on our sub: digital electronics = xor gate truth table implementation

panel consists of 2 members they were friendly no need to get tensed. i hav answered all the qns.

i wish u all the best for those who appear for tcs test. prepare well .

TCS PAPER ON 26th JUNE

hello friends,..... i would like to thank freshersworld.com for the support it has given to me... it really helped me a lot.. i don know whether i will select in TCS before browsin frshersworld... but once i started doin it my confidence level really got boost up... and now im part of Tata group...

Appeared : 350

Aps Cleared : 170

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Hr : 101

out of which 94 are engg students & da remaining are post graduate students(7).. i'm a M.Sc student.. i'm really to be one among da 7.. i really din concentrate much on verbal coz of laziness... i think cut off is 50 and no sectional cut off... three sections verbal(32 qns in 20 mins), aptitude(38 qns in 40 mins) and the final one is critical reasoning(3 paras consists of 4 qns each & 30 mins).. i prepared well for aps and reasoning... coz they were all repeated ones..

for reasoning GRE 12th edition is best...Some of the which i remember is

In the following series, how many Bs are there such that each B is followed by an F next to it if the F is not followed by a P next to it.

B F B P Q M B F P M F B F F B Q M B B
F Q B F P F B A M F B F M
(a)3 (b)2 (c)5 (d)4 (e)6

Suppose the first and second letters in the word MEASUREMENT were interchanged, also the third and fourth letters, the fifth and sixth etc. Print the letter that would then be the twelfth letter counting from the right.

What is the largest prime number that can be stored in a 7-bit word computer?

Which of the following is a power of 5?

- a. 3225 b. 3575 c. 3125
d. 3625 e. 3525
(a) UNIX (b) WINDOWS NT (c) SYBASE
(d) MVS (e) LINUX
(a) SMTP (b) HTTP (c) WAP
(d) SAP (e) ARP

The three numbers in brackets represent the angles of a triangle. Which of these does not represent a proper triangle?

- (a) (50°,51°,79°) (b) (60°,90°,30°) (c) (73°,67°,40°)
(d) (40°,60°,50°) (e) (60°,54°,66°)

The three numbers in brackets in each of the following options represents the number of edges, the number of faces and the number of vertices respectively. Find out which of these represents a solid planar cube?

- (a) (4,8,6) (b) (8,6,12) (c) (8,4,6) (d) (6,6,6) (e) (12, 6,8)

Which set of data exhibits a higher Standard Deviation?

- (a) 9, 0, -9, 9, 0, -9 (b) 9, 9, 9, 0, 9, 9 (c) -9, -9, -9, -9, -9, -9 (d) 9, 9, 9, 9, 9, 9
(e) 9, -9, 9, -9, 9, -9

Which of these matrices is singular

12 3 2 3 4 0 9 15

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and some venn diagram ,pie chart qns...in Critical reasoning i got all Mrs H wants to make a seating arrangement which s from 2nd model paper i think so, During vedic period only two marriages allowed from 5th model paper, horizontal rows and vertical columns from 4 model i think...

my advice to you all is be thorough with GRE 12th model papers.. then can definitely clear the aptitude.....

then i had TECHNICAL in that i was asked

Diff bw structures and unions?

SDLC?

Diff types of testing?

Arrays?

Virtual Fns?

Friend fns?

Diff bw database and files?

Diff bw C and C++?

wat are the various models in software engg?

Diff bw spiral model and incremental model?

but i was not satisfied with my tech interview... i got the mind set that i'm going to be rejected in tech... but fortunately i got selected...

then i went to meet my HR he asked

Tell about your family background?

Do you hav any location constraints?

Did you do any language in your summer vacataion?

supposing if one of team mate is not speaking with you and he is not doing his properly..

How would u react to this situation?

Wat do u know about TCS?(i said its a prestigious concern.. its focus is main on Quality and customer satisfaction is much important)

then he asked Quality can be acheived only if v work 24 hours.. will you work for all the 24 hrs?

i said sir if i'm going to concentrate on my work for even 1 hr with sincearity then

Quality can be achieved in 1 hr itself.. it is not necessary that we can achieve quality by workin 24 hrs a day...

Sometimes you may have to work more than 8 hrs a day... is that comfartable for you?
these were qns

friends wat they really expect from the freshers is our confidence and positive way of answering...

you hav to speak a lot in hr... if u r reserved then they ll ask u more and more number of questions...

so be confident.. if u don know say don know to them.. nothing harm in it...

BE CONFIDENT FRIENDS THAT MATTERS A LOT IN TCS.

TCS INTERVIEW ON 27th JUNE

The selection procedure is as follows:

- A) online test
- B) technical & hr round (it was combined 4 me)

A) The online test consists of three sections:

- 1)verbal ability
- 2)quantitative ability
- 3)critical reasoning

Verbal section was really tough. Questions were of the GRE level. Refer Barrons GRE guide(12th /13th edition).

Quantitative ability was very easy....number series,some problems from rs aggarwal, Picture, Bar chart and Pie chart questions, some previous years question papers,etc had come.....

Critical Reasoning Here you find very difficult to finish within the given time. So better be familiar with Barron's 12th n 13th edition Model Test Papers (all the five).

Technical & HR round:

This round lasted 4 about 30 minutes....

My interviewers were really cool n friendly.....they made me feel comfortable.

Interviewer:So Elizabeth ,r u from the UAE?

Me:yes

Interviewer:tell me about urself..

Me:I gave details about my educational background,my achievements,my goal,my hobbies n my ambition

Then the interviewer started asking me technical questions.....from all cse subjects(os,data structures,dbms,c,c++)

Some of these questions were:

What is polymorphism?

Can we pass arguments in the main function in c?

Can u show how we can acces the variables of a class using objects?

What is normalization?what r its types?

What r the types of joins ?

What is a queue?what r linked lists?give their advantages....

Whats the difference b/w a linear queue n a circular queue?

Give me an example of artificial intelligence.i said google search engine

Give me the difference b/w verification n validation in software engg.

What is meant by software testing?

What is data mining?give me an example where we use data mining.

What is a deadlock?

What all subjects did u study in the last sem?

Then they asked me questions from those subjects.

What r the commands in Unix?

I answered all these questions correctly.

Would u have a problem if we post u abroad? Would u have a problem traveling?

U know only c & c++.how do u think u can manage 2 work in tcs?

Do u know about the 2 year bond in tcs?do u know about the background test n the medical clearance test?

Finally,she was like Well Elizabeth ,I had a nice time talking to u thanx a lot 4 answering all the questions.have fun!!enjoy

N at 7:30 p.m ,the results were announced and I was selected!!

All the best to all tcs aspirants!!be calm,composed n confident during the interview.Also thank the interviewer on behalf of urself n ur college..This will give them a good impression.

Above all I think god's grace alone is sufficient 4 us to make the interview a success...

All the very best 4 ur future!!do well

TCS PAPER ON 3rd NOVEMBER AT HYDERABAD

Hai all...I am an MCA candidate , I have attended Hyderabad TCS written and got selected in it. TCS written test is easy if u concentrate little on it

Written Test:

There are basically 3 parts in written

verbal : There prepare antonyms and synonyms from previous papers. After that two paragraphs are given in that section. Totally 32 marks in this section. Concentrate more in this part because this is some what difficult to answer.

Arithmetic ability: This is the easiest section where we can get good score. It is enough to prepare previous papers, they just change the digits and the model is same. There are some problems from Bar and Pie Chart.

Critical Reasoning: In this section there will be 3 passages and questions on it. So, we have to prepare the GRE Barron's book either 12th or 13th edition. All will come from that only.

So, all the best guys.....There will be both upper cut-off and lower cut-off. Be careful, don't answer all the questions if u prepare well and know more answers.And also there is

no sectional cut-off for TCS so u can gain marks even if you are not able to answer in one section.

Then written test results are placed in TCS site with in 10 days. The list of selected candidates' are given date and time to attend the next rounds.

Next I have Technical round on 3rd November, 2007.

Technical Round:

For this prepare well your academic subjects. They can ask on any one and u should able to answer.

I have prepared

- 1) C, C++, DS
- 2) DBMS concepts, Oracle with SQL and PL/SQL
- 3) Operating Systems
- 4) Computer Networks
- 5) Software Engineering
- 6) .NET concepts because I did project in .NET
- 7) And finally, my academic project.

My turn is at 3pm so I went there by 2.20.They send us by 3pm by verifying our marks lists right from tenth. I was waited and sent in at 4.45

My technical round was around 20 minutes.The interviewer called me and started interview...

- 1) Tell me about yourself?

I said my name, qualification with aggregate. My basic technical skills and my project. Then my family back ground.

Then he asked me where my father is working....

2) Asked me to explain about my project?

I took a paper and explained with flow of screens and the functionality. He asked some doubts in my project

3) What is .net framework?

4) What is CLR?

5) What is stored procedure?

I explained stored procedure and wrote syntax for stored procedure. And I also said I which places I have used stored procedures in my project.

6) What is the difference between procedures and functions?

7) What is a static function?

8) What is the purpose of static variable?

9) What is the difference between static and constant?

10) Write a program to find the maximum number in a given list?

11) What is selection sort and write a program?

12) What is linked list? Difference between single linked list and double linked list?

13) Write a program for double linked list?

14) What are access specifiers?

15) Can we access private variable in another class?

16) what is polymorphism? Function overloading?

17) What are your interests?

18) What are your strengths?

I have answered 90% of them and I was forwarded to next round in the same day

MR(managerial round) :

In this section you may ask either Technical or Personal details or both that depends upon the interviewer. I was totally asked Technical in this round and it was round 45 minutes.

She asked me....

1) Can u introduce yourself?

2) Which is favorite your subject?

Here, you should tell the subject which u prepared well because most of the questions related to this topic only. I said it .NET but you people don't say that because the technology may not be familiar with that interviewer.

So let it be a subject or tell them like as a fresher I have basic knowledge on my academic subjects... at that time you should ready to face all the questions. Then started my problems

3) Explain about your project deeply how your project works?

I started taking a paper and explained my project. Then she stopped at one place and asked to write the connectivity between backend and front-end. you should be able to explain the module which u have done. I also explained the database architecture. I was asked many questions on my project.

4) How can u create a webpage in .net?

5) What is the difference between HTML and ASP?

HTML pages r static where as ASP pages r dynamic and we can interact with ASP pages.

6) What are your interests?

I said like I like to make friendship...

Oh! How big your circle?

Then I said I like to call on historical monuments and new places.

7) What is RAM and ROM?

I said like that RAM is a temporary memory area where as ROM is a permanent storage area. I was asked what type of data it will store?

I said it may be files or tables?

Immediately the next question was

8) What is the difference between files and database?

9) What is normalization?

10) I was given a table... normalizing it and write a query to display all the records of those tables?

Empno empname salary deptname deptno

Then I write like

Empno(pk) empname salary deptno

Deptno(fk) deptname

Then,

Select * from emp e, dept d where e.deptno=d.deptno;

11) What are different keys in sql?

11) What are your strengths?

I said that I am a confident person.

I am an optimistic person and I think in a positive way.

And finally I am a down to earth person.

What u should do is u should have confidence while talking with interviewer. They only see your confidence levels. How much u can grasp things. And your basic communication skills. Be sure that you should show confidence.

HR Round:

I have forwarded to next round that is HR round and it was around 10 minutes. Be prepared for these questions. I was asked....

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- 1) What does your name mean?
- 2) Introduce yourself within one minute?
- 2) What is your family background?
- 3) Tell me your interests?
- 4) Tell me your opinion about TCS in one sentence?
- 5) There is a specific reason that why drainage plates are changing from square to round shape?
- 6) Tell me about your strengths and weaknesses?
- 7) Finally, would u like to ask me something?

I was asked her name first and then “If I have selected in TCS where will I place”? She said me that may depend upon the projects available at that time.

Some of my friends were asked...

- 8) Why shirt buttons are in round shape?
- 9) Why round shaped pizza will place in square shaped box?
- 10) If your husband is in Australia and you are in TCS Hyderabad then he doesn't want u to do job and wish to take along with him. What would u do?
- 11) tell me your long-term and short-term goals?
- 12) Who is your role model?
- 13) Why should we hire you?

TCS PAPER ON 3rd NOVEMBER AT HYDERABAD

hi..i am hemanth.i have given TCS interview on NOV 3rd.and i got selected.i want to share my experience with others so that it can be very useful for them.i attached one file which describes my experience.

Test was conducted at TCS Hyd campus(E-park).They checked our marksheets and identity proof to appear for the exam.While writing exam they told us to switch off the mobiles(strictly) ,who haven't done it are fired out.(TCS looks for discipline)

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So don't take a chance, follow what they say (even after completing the exam, don't switch on the mobiles in the exam hall).

In written test (4 me not online) there will be 3 sections

1. Verbal section

a) Synonyms 10

b) Antonyms 10 (don't waste time on these)

c) Sentence completion (concentrate on this)

d) Passage 5 (It makes difference)

Just go through syn n anty, if u know put it otherwise give a guess... don't waste time on them..

Concentrate more on passage n Sentence Completion.

2. Aptitude

all of them are from previous papers itself. But time factor is main.

The most deciding section in written test is

3. Critical reasoning

I've seen so many haven't solved this section properly, so they lost it.

They ll give 3 passages. Don't try to solve all.

Go through them in GRE barron's 12th edition

Sure you will get maximum 2 out of 3. Get perfect in these (got from previous papers)

Model test 1: Section 5 - qns 1-4, qns 13-16

Section 6 - qns 1-4, qns 8-11, qns 12-18, qns 19-22

Model test 2: Section 1 - qns 19-22

Section 6 - qns 8-12, qns 13-16, qns 17-22

Model test 3: Section 6 - qns 1-4

Model test 4: Section 5 - qns 8-11, qns 19-22

Section 6 - qns 8-12, qns 13-16, qns 17-22

Model test 5: Section 3 - qns 8-11, qns 19-22

Section 7 - qns 1-5, qns 21-25

*****please concentrate more on this section.

while giving test don't try to answer all questions in 3 sections.. at least try to solve above average in each section... *****time factor is very crucial... put time limits for each section as per ur skills and go on with it..

After 2 or 3 days they announced the results on portal. They have selected 2400 members for tech.. My name was there and interview was scheduled on Nov 3rd 9PM at TCS deccan park Hyd. The next rounds are technical interview, MR and HR. In each round they filtered the candidates...

In tech ,after entering into room i wished him politely.

intw:tell me abt ur self

me: told as i prepared...(my details(no personal details), education details,strengths,and finally my hobbies)while saying these things he was verifying my resume.

intw:he asked abt project

i explained...(my project is on networking side)

some qsts asked on my proj are

what are OSI layers n explain each of them(he also asked me about sublayers in data link layers n protocols in them)?

what is OSI?

What are TCP layers n compare it with OSI model?

what are protocols in TCP/IP and port numbers for them?

What is the purpose of HTTP?

how you would create web pages?

what is the diffrence between HTML and JSP?

What is congestion controlling n how would u control them?

what is router ?

what are routing alogorithms?

what is piggy backing?

intw: ur fav sub

me: c n java

he concentrated mainly on DS.

the qust are

how u would allocate memory dynamically?

diff between malloc n calloc?

where it allocates the memory?(in heap)

how u would free the memory allocated?

if i don't use free() then what ll happen?

how the program is stored in memory?

what are circular linked lists?

write program for circular linked list?(i wrote for insertion n delete)

prog for converting linear linked list to circular linked list?

prog for checking linked list is circular or not?(atleast get the logic for it if u r not sure with prog)

prog for searching a element in linked list?

What are non linear data structures?

what are tree traversing techqs?

Then he entred into OS(operating systems)

what is process?

what are process scheduling alogs?

what is thread?

what is multiprocessing n multi threading?

which one u ll choose n why?(multi threading)

for technical atleast get perfect in one programming language and your project. with confidence you can win. if you don't know the other technologies don't put them in resume. Sure, they will ask you what you have mentioned in resume. Get perfect with your resume.

he was impressed with my answers(i answered almost except 1r 2 qusts) n told me to wait for next round.. i m happy..
i thanked him..

After waiting 4 a long time(same day at 6PM) i was given MR
tell me abt urself?

why ur percentage is going down?(they will look for certifications done during engg if ur percentage is going down)

what is ur goal?

where u ll be after 3yrs?

why TCS?

why should i hire u?

n some regular HR qusts but he was putting some tricky qusts(he tried to put pressure on me..he started argueing abt something..but i haven't argued with him..i just gave reasons my for answers)

i defended myself with confidence..

he gave one puzzle ...what are no.of possibilties to open a bag which has number locking system..(1000 possibilities for 3 numbers)

he asked abt my project?

what are problems u have faced in project?

what is your role in project?

what are ur experiences as a team lead?n any problems with your team members?(donot tell anything bad abt ur team members)

what are ur fav subjects?

if u were given a choice to choose among c and java which one u ll choose?

any more questions?(i asked qusts related to TCS)

after that they told me to come tomorrow to have HR at 10AM

i thought it would finish shortly but it was not like as i expected....they gave some stress interview by donot calling

for a long time..they ll check for ur paciency..

i was called for HR at 5 PM

it was really cool...he asked some routine HR qusts(like in MR but no tricky qusts)

it was over within 10 min...they told me to check TCS portal for results on 8th 5PM...

give ur best...don't act too smart..they ll easily catch u (i m sure)..

and on 8th around 4PM, the results were out.. they have selected 722 members ..my name was there..

thank you for all who contributed their experiences here ..

TCS PLACEMENT PAPER ON 3rd JUNE AT JNTU

The recruitment procedure 4 tcs:

Online test

Technical Interview

Management Round

HR Interview

ONLINE TEST

The test was conducted after d preplacement talk. U will b given user ids

2 attend d online interview.

Remember ur user ids.

4 d online test u need 2 giv ur user id.den dey will giv u a password.logon using dat password n ur online test starts.d time will b displayed on d screen.d qstn nos r also displayed on d top right corner of d screen.u can click on any qstn no n switch over 2 any qstn within dat section only.d qstn nos u attempted will bcom green n d qst nos u havnt attempted will remain orange so dat u can keep a track of how many u atemptd n how many u havnt.Only 1 qstn will b displayd on d screen.if u attempt d qstn d next qstn will b automatically displayd or other wise if u don wanna attempt it n move on 2 anoder one u can do dis by clicking on d qstn no u want

Below every qstn 5 optns will b given choose d correct answer n below these 5 options der are a b c d e options .u hav click here on d correct option n then click on submit. dis is a little bit confusing.so u can practise by taking a sample online test.b4 starting d online test u will b guided wid a sample online test.don worry

U hav 3 sections 4 d online test:

1.VERBAL SECTION

dis section consists of 28 qstns.u hav 2 answer in 20 mins.keep track of time.(28 marks)

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Ull hav 10 antonyms 10 synonyms a small passage wid blanks n a reading comprehension(RC). 4 blanks options will b given u hav 2 choose d rite one.check whether ur answering d blank 4 d rite qstn no

For example the 5 olympic rings r of-----1-----colours.dey r -----2----- and -----3-----and-----

Here if u wanna answer blank 1 click on qstn no 1 n answer if u wanna answer blank 3 u hav 2 go 4 qstn no 3.

D same wid res. If der r 5 qstns 4 a rc all d qstns 4 d rc r not displayd at a time.each qstn will b displayed one after d oder but d passage will b displayed 4 every qstn need not worry

NOTE: For synonyms prepare gre barrons (12th or 11th or 13th edition) d qstns dat appear after every word list (ie exercises at d end which r multiple choice ones)

For antonums prepare d chapter on antonyms in gre barrons n d antonym qstns in d model papers .4 rcs prepare d same barrons especially dat 4m d model papers.4 blanks also prepare gre.but u may not get dem 4 sure.rcs antonyms n synonyms r 4 sure

2.QUANTITATIVE APTITUDE

u hav 2 solv 32 qstns in 40 mins(32marks)

4 dis section prepare old papers sometimes ull get dem withot changing nomericals also dis section is very easy

1st prepare d qstns below den ull definitely get a gud score 4 apti

AGES

1)Last year pandit was thrice his sister's age.Next year he is only twice her age.After 5 years what is pandit's age.

a)2 b)12 c)11 d)14 ans:b

2) Jalia is twice older than qurban . If jalia was 4 years younger, qurban was 3 years older ther diff. between their ages is 12 years

what is the sum of thier ages a)67 b)57 c)36 d)none ans: b

3) Fathers age is 5 times his son's age. 4 years back the father was 9 times older than son.Find the fathers' present age. Ans. 40 years

4)Joe's father will be twice his age 6 years from now. His mother was twice his age 2 years before. If Joe will be 24 two years from now, what is the difference between his father's and mother's age? a) 4 b) 6 c) 8 d) 10

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ALLIGATION

1). In a mixture, R is 2 parts, S is 1 part. In order to make S to 25% of the mixture, how much R is to be added?

AVERAGE

1) Gavaskar average in first 50 innings was 50. After the 51st innings his average was 51. How many runs he made in the 51st innings?

2) Hansie made the following amounts in seven games of cricket in India: Rs.10, Rs.15, Rs.21, Rs.12, Rs.18, Rs.19 and Rs.17 (all figures in crores of course). Find his average earnings. Ans. Rs.16 crore

3) Average of 5 numbers is -10. Sum of 3 numbers is 16, what is the average of other two numbers? answer -33

4) THREE COMPANIES WORKING INDEPENDENTLY AND GET SAVINGS 10%, 20%, 25%. IF THE COMPANIES WORK JUST OPPOSITE THEN WHAT WILL BE THE NET SAVING?

5) If A, B and C are the mechanisms used separately to reduce the wastage of fuel by 30%, 20% and 10%. What will be the fuel economy if they were used combined. Ans 20%

BOATS

1) If a man can swim downstream at 6 kmph and upstream at 2 kmph, his speed in still water is: a. 4 kmph b. 2 kmph c. 3 kmph d. 2.5 kmph

CAR

1) A car is filled with four and half gallons of oil for full round trip. Fuel is taken 1/4 gallon more in going than coming. What is the fuel consumed in coming up?

Sol Before the trip, car is filled with = 4 1/2 gallon of oil

Let 'X' be the quantity of fuel consumed for the trip in one direction

The fuel consumed while going = $X + \frac{1}{4}$

The fuel consumed while coming = X

Therefore, the fuel consumed for the trip = $(X + \frac{1}{4}) + X = 4 \frac{1}{2}$

$\Rightarrow 2X + \frac{1}{4} = 4 \frac{1}{2} \Rightarrow 2X = 4 \frac{1}{2} - \frac{1}{4} \Rightarrow 2X = 4 \frac{1}{4} \Rightarrow X = 2$ gallons approx

CHAIN RULE

1) A can copy 50 papers in 10 hours while both A & B can copy 70 papers in 10 hours. Then for how many hours required for B to copy 26 papers? 13

CHESS BOARD

1) In 8*8 chess board what is the total number of squares refer to del ans: 204

CODING

1) THERE IS A WORD 'PERLMENTASITION'. IF 1ST AND 2ND, 3RD & 4TH WORDS ARE CHANGED AND SO ON, THEN FIND THE 14TH LETTER FROM RIGHT AFTER CHANGE.

2) If TAFJHH is coded as RBEKGI then RBDJK can be coded as ----- ans qckkj

3) A series of letters are given how many Ws are followed by F and preceded by T.

12. SURFW Code is translated as SHEET..... these kinds of questions are there.....

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4) Code Interchanging, A word is given.... Letters are reversed..u r asked to find the nth letter from right or left....

Eg. DESTABILIZATION Ans-T

5) BFGE CODED AS CEHD THEN CODE PVHDJ ANS: QUICK

6) FIND THE NO. OF Y FOLLOWED BY W BUT THAT IS NOT FOLLOWED BY Z.
Y W R U D D Y W Z

7) If VXUPLVH is written as SURMISE, what is SHDVD ?

Ans. PEASA (hint: in the first word, the alphabets of the jumbled one is three alphabets after the corresponding alphabet in the word SURMISE. S = V-3, similarly find the one for SHDVD) If DDMUQZM is coded as CENTRAL then RBDJK can be coded as -----

Ans. QCEIL (hint: Write both the jumbled and the coded word as a table, find the relation between the corresponding words, i.e C= D-1, N=M+1 & so on

9) In the word ECONOMETRICS, if the first and second , third and forth ,forth and fifth, fifth and sixth words are interchanged up to the last letter, what would be the tenth letter from right?

Ans. word is CENOMOTEIRSC tenth word is R

10) If D_MUQZM is coded as CENTRAL then RBDJK can be coded as

11) In a certain format TUBUJPO is coded as STATION. The code of which string is FILTER?

12) What is the code formed by reversing the First and second letters, the third and fourth letters and so on of the string SIMULTANEOUSLY?

13) In the word ORGANISATIONAL, if the first and second, third and forth, forth and fifth, fifth and sixth words are interchanged up to the last letter, what would be the tenth letter from right?

ANS: I(ROANISATIONALG)

COST

1) A power unit is there by the bank of the river of 750 meters width. A cable is made from power unit to power a plant opposite to that of the river and 1500mts away from the power unit. The cost of the cable below water is Rs. 15/- per meter and cost of cable on the bank is Rs.12/- per meter. Find the total of laying the cable. Ans 1000 (24725 - cost) 20250 Ans. Rs. 22,500 (hint: the plant is on the other side of the river i.e. it is not on the same side as the river)

2) The cost of one pencil, two pens and four erasers is Rs.22 while the cost of five pencils, four pens and two erasers is Rs.32. How much will three pencils, three pens and three erasers cost? Ans. 27

3) 2 oranges, 3 bananas and 4 apples cost Rs.15 . 3 oranges 2 bananas 1 apple costs Rs 10. what is the cost of 3 oranges, 3 bananas and 3 apples ANs Rs 15.

4) A shopkeeper bought a watch for Rs.400 and sold it for Rs.500. What is his profit percentage? Ans. 25%

5) What percent of 60 is 12? Ans. 20%

6) Three men go to a hotel to stay , the clerk says \$30 per room/day so all the three plan to stay in one room so each pays \$10. After some time the clerk realises that he made a mistake of collecting \$30 but the room cost only \$25, therefore he decides to return \$5 to them so he calls the roomboy and gives him \$5 asking him to return. The roomboy keeps

\$2 with him and he returns only \$3(\$1 for each).Now Totally all have paid \$9 each(\$27)+rommboy \$2 which is equal to \$27.where did \$1 go,who has made the mistake?

7) two pencils cost 8 cents. then 5 pencils cost? (20 cents) A box of 150 packets consists of 1kg packets and 2kg packets. Total weight of box is 264kg. How many 2kg packets are there

a) 96 b)67 c)100 d)114 ans:d

9)Which is more economical of the following

a)2kg -- 30/- b)8kg -- 160/- c)5kg -- 80/-

10)Satish earns 240 weekly.12% of big amount + earning weekly = 540

what is the big amount

a)3200 b)3600 c)2500 d)1000 ans: c

11) Bhanu spends 30% of his income on petrol on scooter. $\frac{1}{4}$ of the remaining on house rent and the balance on food. If he spends Rs.300 on petrol then what is the expenditure on house rent? a) Rs.525 b) Rs.1000 c) Rs.675 d) Rs.175

12) A sporting goods store ordered an equal number of white and yellow balls. The tennis ball company delivered 45 extra white balls, making the ratio of white balls to yellow balls $\frac{1}{5} : \frac{1}{6}$. How many white tennis balls did the store originally order for?

a) 450 b) 270 c) 225 d)None of these

13) There is a circular pizza with negligible thickness that is cut into 'x' pieces by 4 straight line cuts. What is the maximum and minimum value of 'x' respectively?

a) 12,6 b) 11,6 c) 12,5 d) 11,5

14) The total expense of a boarding house are partly fixed and partly variable with the number of boarders. The charge is Rs.70 per head when there are 25 boarders and Rs.60 when there are 50 boarders. Find the charge per head when there are 100 boarders.

a) 65 b) 55 c) 50 d) 45

COUNTERFEIT

1)in 80 coins one coin is counterfiet what is minimum number of weighings to find out counterfiet coin

CUBE

1)vertices edges and surfaces of a cube Ans-8,12,6

CURVES

1)STUDY THE NATURE OF THE CURVES $Y=\text{LOG}X$, $XY=C$ etc

2)curve was given & in option equation was given , you have to mark the correct equation(curve and equation was of general $\log x$, e^x , $\sin x$, $\cos x$, $\tan x$, x curves)

3)values of x & f(x) was given (like $x=1000$ & $f(x)=3$) and equations was given

4)WHICH SHAPE WILL BE OBTAINED BY USING THESE VALUES OF X,Y
X Y

0 0.00001

10 1.02

100 1.72

1000 3.00

9999 4.72

4a) WHICH SHAPE WILL BE OBTAINED BY USING THESE VALUES OF X, Y
XY

00.00001

101.02

1001.72

10003.00

99994.72

5) WHICH EQUATION THAT BEST SUITS THIS CURVE

A LINE CUTS X AT -1 WHEN Y=0 AND X=0 WHEN Y=3 AND GOES UPWARD
Y

X

DATA INTERPRETATION

1) CORRECT CHART WITH CORRECT VALUES

X- YEAR Y- NO OF PERSONS

1. AVERAGE NO. OF PERSONS FROM 1995 – 1999

2. WHICH YEAR HAS LARGE DIFFERENCES IN NO OF PERSONS

3. IF 10% OF PEOPLE LEAVES THE OFFICE IN 1998 THEN, HOW MANY FRESH
CANDIDATES CAN BE ADDED IN THE NEXT YEAR

2) Given a Bar Chart showing the sales of a company. (In Figure) The sales in years as
shown in the figure are (in crores) 1998-1999 - 130,
1997-1998 - 90, 1996-1997 - 90, 1995-1996 - 70

1. The highest growth rate was for the year Ans. 1998-1999

2. The net increase in sales of the company in the year span of 1995-1999 Ans. 60 crores.

3. The lowest growth rate was for the year Ans. 1997

4. Year 95 96 97 98 99 Members 100 170 105 0

i) Which year has maximum members growth?

M 100

1

E

M 70

10

B 60

E 50

R Year

S 95 96 97 98

i) Which year has maximum members growth?

DEGREES

1) TIME DEGREE

27(deg) 6' 43.15"

45(deg) 31' 4.3"

THEN WHAT WILL BE THE DEGREE WHEN TIME IS 3 O'CLOCK

DIRECTIONS

- 1) A Flight takes off at 2 A.M from northeast direction and travels for 11 hours to reach the destination which is in north west direction. Given the latitude and longitude of source and destination. Find the local time of destination when the flight reaches there? 7 AM or 1.00 PM
- 2) My flight takes off at 2am from a place at 18N 10E and landed 10 Hrs later at a place with coordinates 36N70W. What is the local time when my plane landed.
a) 6:00 am b) 6:40am c) 7:40 d) 7:00 e) 8:00 (Hint : Every 1 deg longitude is equal to 4 minutes . If west to east add time else subtract time) Ans 8:00
- 3) A moves 3 kms east from his starting point . He then travels 5 kms north. From that point he moves 8 kms to the east. How far is A from his starting point? Ans. 13 kms
- 4) Aeroplane is flying at a particular angle and latitude, after some time another latitude is given.. (8 hrs later), u r asked to find the local time of the place.
- 5) AN AEROPLANE STARTS FROM A (SOME LATITUDE IS GIVEN ACCORDING TO PLACE) AT 2 AM LOCAL TIME TO B (SOME LATITUDE). TRAVELLING TIME IS 10 HOURS. WHAT IS THE LOCAL TIME OF B WHEN IT REACHES B
- 6) A plane moves from 9°N40°E to 9°N40°W. If the plane starts at 10 am and takes 8 hours to reach the destination, find the local arrival time.
- 7) A FILE IS TRANSFERRED FROM A PLACE TO A DESTINATION CAPABLE OF 10 KB . THEY GIVEN SOME RATE OF TRANSFER. U HAVE FIND A EQUATION THAT BEST SUIT THIS.

FROG

- 1) In a well of 20 feet depth, a frog jumps 5 feet up in the morning and comes 4 feet down in the evening, on which day the frog gets out of the well.

GAMES

- 1) In some game 139 members have participated every time one fellow will get by what is the number of matches to choose the champion to be held? ans: 138
- 2) A & B are playing a game . There are 8 oranges in a row on the table. one Player can take 1-4 oranges in a pick (a maximum of 4), one who picks the last orange wins the game. 'A' plays first How many oranges should he pick first time in order to win the game. answer 3.

LCM

- 1) LCM of x and y is 36 and HCF of x and y is 4. If x = 4 then which of the following is definitely not true?

a) Y is divisible by 3 b) Y is divisible by 6 c) Y is divisible by 9 d) X+Y is divisible by 9

LOGARITHMS

- 1) $\log .342 = \dots$, $\log .343 = \dots$ then $\log .341 = \dots$ etc...
- 2) value of $\log 3.142$ & $\log 3.143$ was given and $\log 3.141$ was asked so you have to only see on answer and mark
- 3) If $\log 0.317 = \dots$ and $\log 0.318 = \dots$ Then find the value of $\log 0.319$.

MATCH

- 1) Match the following:

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1. Male - Boy ---> a. A type of
2. Square - Polygon ---> b. A part of
3. Roof - Building ---> c. Not a type of
4. Mushroom - Vegetables ---> d. A superset of

Ans: 1- d, 2- a, 3- b, 4- c

2) Match the following.

1. brother - sister ---> a. Part of
2. Alsatian - dog ---> b. Sibling
3. sentence - paragraph ---> c. Type of
4. car - steering ---> d. Not a type of

Ans. 1-b, 2-c, 3-a, 4-d

3) SCOOTER ----- AUTOMOBILE A. A PART OF

2. OXYGEN ----- WATER B. A Type of

3. SHOP STAFF ----- FITTERS C. NOT A TYPE OF

4. BUG ----- REPTILE D. A SUPERSET OF

4) MATCH THE FOLLOWING

A B

1. SENTENCE, PARAGRAPH 1. TYPE OF
2. BASMATI, WHEAT 2. A PART OF
3. BROTHER, SISTER 3. NOT A TYPE OF
4. BREIGAL, DOG 4. SIBLING

ANS: 1-> 2 2->1 3->3 4->4

MATHEMATICAL SYMBOLS

1) Given \$ means Tripling and % means change of sign then find the value of \$%\$6-%\$%6 ANS : -72

2) 5-&%&5 Ans-30 (Check)

3) WHAT IS THE VALUE OF % # % (5) + # % # (2) WHERE % - DOUBLING #-RECIPROCAL

4) Find the value of @@+25-++@16, where @ denotes "square" and + denotes "square root". Ans: 621 or 121

MATRIX

1) Find the singularity matrix from a given set of matrices? (Hint $\det(A) = 0$)

MEMORY

1) If the vertex (5,7) is placed in the memory. First vertex (1,1) 's address is 1245 and then address of (5,7) is -----1279

2) A 2D array is declared as A[9,7] and each element requires 2 byte. If A[1,1] is stored in 3000. Find the memory of A[8,5] ? 3106

3) One circular array is given (means the memory allocation takes place like a circular fashion) dimension (9X7). starting address is 3000. find the address of (2,3)..555

4) Some has got the qs. As memory allocation takes place columnwise. u have to find out the address.

5) The size of a program is N . And the memory occupied by the program is given by $M = \sqrt{100N}$. If the size of the program is increased by 1% then how much memory now occupied? Ans 0.5% ($\sqrt{101N}$)

6) In a two-dimensional array, $X(9, 7)$, with each element occupying 4 bytes of memory, with the address of the first element $X(1, 1)$ is 3000, find the address of $X(8, 5)$. Ans 3212

MIXTURE

1) 16 litre can, 7 litre can, 3 litre can, the customer has to be given 11 litres of milk using all the three cans only explain?

NUMBER SYSTEM

1) The number 362 in decimal system is given by $(1362)_x$ in the X system of numbers find the value of X a) 5 b) 6 c) 7 d) 8 e) 9

2) Decimal no 319 is equal to 1234. This 1234 belongs to which Number systems

3) $194_{\text{base } 10} = \underline{\hspace{2cm}}_{\text{base } 5}$ (1234)

4) In which of the system, decimal number 194 is equal to 1234? ANS: 5

5) Convert the decimal number 310 to the base 6. Ans: 1234

6) Find the value of the decimal number to the base 7. Ans. 1436.

7) In which of the system, decimal number 384 is equal to 1234?

In which of the system, decimal number 184 is equal to 1234? Ans 5

9) Find the value of the 678 to the base 7. ans 1656

10) The base 5 representation of the decimal number 2048 is _____.

ODD MAN OUT

1) LINUX, WINDOWS 98, SOLARIS, SMTP (ANS: SMTP)

2) MVS

3) JAVA b) LISP c) Smalltalk d) Eiffle Ans: LISP (All other languages are OOPS)

4) 1.http 2.arp 3.snmp 4.sap Ans-sap

5) 1.linux 2.windows NT 3.sql server 4.Unix Ans-Sql server

6) 1.SAP 2.ARP 3.WAP 4.TCP IP

7) a. Oracle b. Linux c. Ingress d. DB2

a. SMTP b. WAP c. SAP d. ARP Ans:SAP

9) a. WAP b. HTTP c. BAAN d. ARP Ans:Baan

10) a. LINUX b. UNIX c. SOLARIS d. SQL SERVER Ans:SQL SERVER

11) a. SQL b. DB2 c. SYBASE d. HTTP Ans: HTTP

12) a. Oracle b. Linux c. Ingress d. DB2 ANS:LINUX

ORTHOGONAL PAIRS

1) Which of the following are orthogonal pairs? a. $3i+2j$ b. $i+j$ c. $2i-3j$ d. $-7i+j$ ans a,c

2) (a) $2+3i$ (b) $1+i$ (c) $3-2i$ (d) $1-7i$.Find which of the above is orthogonal. Ans a,c

3) Sum of slopes of 2 perpendicular st. lines is given. Find the pair of lines from the given set of options which satisfy the above condition?

PARTNERSHIP

- 1) If Rs.1260 is divided between between A, B and C in the ratio 2:3:4, what is C's share? Ans. Rs. 560
- 2) A sum of money is divided among A, B and C such that for each rupee A gets, B gets 65paise and C gets 35paise. If C's share is Rs.560, the sum is ...
a)2400 b)2800 c)3200 d)3800

PERCENTAGE

- 1) What percent of 60 is 12? Ans. 20%
- 2) A report consists of 20 sheets each of 55 lines and each such line consists of 65 characters. This report is retyped into sheets each of 65 lines such that each line consists of 70 characters. The % reduction in the number of sheets is closest to
a)20 b)5 c)30 d)35
- 3) Amal bought 5 pens, 7 pencils and 4 erasers. Rajan bought 6 pens, 8 erasers and 14 pencils for an amount which was half more than what Amal had paid. What % of the total amount paid by Amal was paid for pens?
a)37.5% b)62.5% c)50% d)None of these

PERMUTATIONS

- 1)How many 3 digits with 3 Distinct digits are there from 100-1000.

POWER OF

- 1)What is the power of 2? a. 2068 b.2048 c.2668 Ans:2048
- 2) 8 to the power of x is 32,what is the value of x?
- 3)Which is a/not a power of 2 or 3.
- 4)Power of 4 Ans-4096
- 5)WHICH ONE WILL BE THE EXACT POWER OF 3
(i) 2768 (ii)2678 (III) 2187

PRIME NUMBERS

- 1)Find the highest prime number that can be stored in an 8bit computer.
- 2)What is the max possible 3 digit prime number? Ans 997
- 3)Largest prime no. in a 6 bit,8 bit (Ans 127),9 bit microprocessor
- 4)WHAT IS THE LARGEST PRIME NO THAT IS STORED IN 8 BIT PATTERN
ANS: 253 (NOT SURE)
- 5)What is the largest prime number that can be stored in an 8-bit memory? 251 or 127
- 6)Which is the largest prime number that can be stored in a 9-bit register?

PROBABILITY

- 1)in a company 30% are supervisors and 40% employees are male if 60% of supervisors are male. what is the probability that a randomly choosen employee is a male or female?
- 2) 12 Blacksox and 12 Whitesox mixed in a box,a pair of sox is picked at a time,in which pick/how many pick ,to get the right pair(black&black or white&white)?
- 3)Two coins one with HEAD IN BOTH SIDES and the other coin HEAD IN ONE SIDE AND TAIL IN THE OTHER SIDE is in a box,a coin is taken at random and FOUND HEAD IN ONE SIDE .what is the probability that THE OTHER SIDE IS HEAD?

4) There are 5 distinct pairs of white socks and 5 pairs of black socks in a cupboard. In the dark, how many socks do I have to pull out to ensure that I have at least 1 correct pair of white socks? a)3 b)11 c)12 d)16

PROBLEMS ON NUMBERS

1) What number should be added to or subtracted from each term of the ratio 17 : 24 so that it becomes equal to 1 : 2. Ans. 10 should be subtracted

2) The sum of the digits of a two digit number is 8. When 18 is added to the number, the digits are reversed. Find the number? Ans. 35

3) In a fraction, if 1 is added to both the numerator and the denominator, the fraction becomes $\frac{1}{2}$. If numerator is subtracted from the denominator, the fraction becomes $\frac{3}{4}$. Find the fraction. Ans. $\frac{3}{7}$

4) WHAT IS THE NUMBER OF ZEROS AT THE END OF THE PRODUCT OF THE NUMBERS FROM 1 TO 100

5) $\frac{9}{10}$ or $\frac{10}{11}$ which is greater.

6) $(\frac{x-y}{3}) - (\frac{y-x}{3}) = ?$

7) $x:y=3$ and $x+y=80$ what is the value of y ? answer $y=20$ M(893,10)+r()+t() is asked

9) $n=68 \times 12 \times 51$ Which of the follg is not an integer Ans- $n/122$

10) M(373, 7) + R(6. -T(3.4) + R(3.4)

11) SOME RELATION THAT IS DEDUCE TO

A (POW 2) DIRECT PROPORTIONAL TO X (POW 3)

B (POW 2) DIRECT PROPORTIONAL TO Y (POW 3)

SOME FOUR ANSWERS WERE GIVEN

ANS: ALL OF THE ABOVE

12) WHICH IS THE PERFECT ONE AMONG THE 4

1. $2x + 3y = 4$ 2. $x + y = -1$ 3. $Y = 2x + 3$

13) A salesperson multiplied a number and get the answer 3, instead of that number divided by 3. what is the answer he actually has to get?

$1 \times 3 = 3$ so number = 1 divided by 3, the ans. is $\frac{1}{3}$.

14) M(373,5)+R(3.4)+T(7.7)+R(5. Ans. 19

15) If the numerator of a fraction is increased by 25% and denominator decreased by 20%, the new value is $\frac{5}{4}$. What is the original value?

a) $\frac{3}{5}$ b) $\frac{4}{5}$ c) $\frac{7}{8}$ d) $\frac{3}{7}$

16) The value of $\frac{3}{4} + \frac{5}{36} + \frac{7}{144} + \dots + \frac{17}{5184} + \frac{19}{8100}$ is

a) 0.99 b) 0.98 c) 0.95 d) None of these

17) A student's grade in a course is determined by 6 quizzes and one examination. If the examination counts thrice as much as each of the quizzes, what fraction of final grade is determined by the examination?

a) $\frac{1}{6}$ b) $\frac{1}{5}$ c) $\frac{1}{3}$ d) $\frac{1}{4}$

1) When $\frac{3}{4}$ of a unit's digit is added to the ten's digit of a two number, the sum of the digits becomes 10. If $\frac{1}{4}$ of the ten's digit added to the unit's digit, then the sum of the digits is 1 less than the previous. Find the number.

a) 94 b) 84 c) 48 d) 88

19) A person had to multiply two numbers. Instead of multiplying by 35, he multiplied by 53 and the product went up by 540. What was the raised product?
a)780 b)1040 c)1590 d)1720

RECTANGULAR

1) WHICH IS NOT A SIDE OF A RECTANGULAR

1. (2,3,4) 2.(3,4,7) 3. (3,5,9)

2) ONE RECTANGULAR PLATE WITH LENGTH 8 INCHES, BREADTH 11 INCHES AND 2 INCHES THICKNESS IS THERE. WHAT IS THE LENGTH OF THE CIRCULAR ROD WITH DIAMETER 8 INCHES AND EQUAL TO VOLUME OF RECTANGULAR PLATE? ANS: 3.5 INCHES

3) If the length of a rectangle is increased by 30% and the width is decreased by 20%, then the area is increased by...

(a) 10% (b) 5% (c) 4% (d) 20% (e) 25%

4) The length of a rectangle is increased by 60%. By what % would the width have to be decreased to maintain the same area? a)30% b)60% c)75% d)37.5%

RECURSION

1) $G(0) = -1$, $G(1) = 1$, $G(N) = G(N-1) - G(N-2)$, $G(5) = ?$ ans - 2

2) $G(0) = 1$, $G(1) = -1$ IF $G(N) = 2 * (G(N-1)) - 3(G(N-2))$ THEN WHAT IS THE VALUE OF $G(4)$?

3) If $f(0) = 1$ and $f(n) = f(n-1) * n$, find the value of $f(4)$. Ans: 24

4) If $g(0) = g(1) = 1$ and $g(n) = g(n-1) + g(n-2)$ find $g(6)$;

SERIES

1) Complete the series. 3, 8, --, 24, --, 48, 63 . ans 15, 35

2) Complete the series. 4, -5, 11, -14, 22, --- Ans - 27

3) SERIES: 2, 7, 24, 77, ? (238) or (240)

4) 77, 49, 36, 18, ? answer 8 ($7*7=49$)($4*9=36$)($3*6=1$) ($1*8=$

5) series: 5 6 7 8 10 11 14 ?? ans. 15 or 18

6) 15 14 12 11 ?? 9 8 ans. 10

7) What is the 12th term of the series 2, 5, 8, Ans. 35

8) 58, 27, 12, x, 2, 1. Find x.

9) 7, 9, 13, __, 27, 37. Ans-19

10) 2, 5, __, 19, 37, 75 Ans: 9

11) Complete the sequence 9, 10, 11, 13, 15, __, 21, 28.

SET

1) A, B and C are 8 bit nos. They are as follows:

A 1 1 0 1 1 0 1 1

B 0 1 1 1 1 0 1 0

C 0 1 1 0 1 1 0 1

Find $((A-B) \cup C) = ?$ Hint : 109 A-B is $\{A\} - \{A \cap B\}$ ANS: 0 1 1 1 1 1 1 1 (DB)

2) If A, B and C are the mechanisms used separately to reduce the wastage of fuel by 30%, 20% and 10%. What will be the fuel economy if they were used combined. Ans 20%

3) | A | 1 | 0 | 0 | 1 | 0 | 0 | 0 | 1 | 10010001
| B | 0 | 1 | 1 | 0 | 1 | 0 | 1 | 0 | 01101010
| C | 1 | 0 | 0 | 1 | 0 | 1 | 1 | 0 | 10010110

(A∪B)∩C = ? [(A union B) intersection C = ?]

4) A 0 0 0 0 1 1 1 1
B 0 0 1 1 0 0 1 1
C 0 1 0 1 0 1 0 1

(A ∪ B) ∩ C Find the fourth row, having the bit pattern as an integer in an 8-bit computer, and express the answer in its decimal value. Ans. 29

5) In the class of 40 students, 30 speak Hindi and 20 speak English. What is the lowest possible number of students who speak both the languages?

(a) 5 (b) 20 (c) 15 (d) 10 (e) 30

6) You will be given the bit position values for A, B and C and using the relation (A∩B) ∪ C you have to construct the truth table. Then find the corresponding decimal number and choose the right option.

7) If A=(110010) in base 2 & B=(101011) in base 2, then what is the decimal value of (A∩B)∪C

SHADOW

1) A building with height D shadow upto G. A neighbour building with what height shadows C feet.

|----|----|----|----|----|----|----|
A B C D E F G H

Sol: B Ft. or CD/G

SOLUTIONS

1) How many positive integer solutions does the equation $2x+3y = 100$ have?

a)50 b)33 c)16 d)35

STANDARD DEVIATION

1) Which of the following set of numbers has the highest Standard deviation?

a)1,0,1,0,1,0 b)-1,-1,-1,-1,-1,-1 c)1,1,1,1,1,1 d)1,1,0,-1,0,-1

2) WHICH WILL GIVE GOOD STANDARD DEVIATION

1. (7,0,-7,0,7) 2. (7,-7,7,-7,7) 3. (1,0,-1,0,1)

TANK

1) with $\frac{4}{5}$ full tank vehicle travels 12 miles, with $\frac{1}{3}$ full tank how much distance travels (5 miles)

2) A car travels 12 kms with a $\frac{4}{5}$ th filled tank. How far will the car travel with $\frac{1}{3}$ filled tank? Ans. 5 kms

TEMPERATURE

1) In Madras, temperature at noon varies according to $-t^2/2 + 8t + 3$, where t is elapsed time. Find how much temperature more or less in 4pm to 9pm. (May be we can solve it by Definite Integration. Check any way} Ans. At 9pm 7.5 more or 385.8(DB)

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2)FOR TEMPERATURE A FUNCTION IS GIVEN ACCORDING TO TIME : $((t^2)/6) + 4t + 12$ WHAT IS THE TEMPERATURE RISE OR FALL BETWEEN 4.AM TO 9 AM

2)FOR TEMPERATURE A FUNCTION IS GIVEN ACCORDING TO TIME : $((t^2)/6) + 4t + 12$ WHAT IS THE TEMPERATURE RISE OR FALL BETWEEN 5 PM to 8 PM

3)Low temperature at the night in a city is $1/3$ more than $1/2$ high as higher temperature in a day. Sum of the low tem. and highest temp. is 100 degrees. Then what is the low temp? (40 deg.)

TIME AND DISTANCE

1)A is driving on a highway when the police fines him for overspeeding and exceeding the limit by 10 km/hr. At the same time B is fined for overspeeding by twice the amount by which A exceeded the limit. If he was driving at 35 km/hr what is the speed limit for the road? Ans. 15 kmph

2)A car travels 12 kms with a $4/5$ th filled tank. How far will the car travel with $1/3$ filled tank? Ans. 5 kms

3) falling height is proportional to square of the time. one object falls 64cm in 2sec than in 6sec from how much height the object will fall.

4)A car has run 10000 miles using 5 tyres interchangably, To have a equal wornout by all tyres how many miles each tyre should have run. answer 4000 miles/tyre

5)A person, who decided to go to weekened trip should not exceed 8 hours driving in a day. Average speed of forward journey is 40 m/h. Due to traffic in sundays, the return journey average speed is 30 m/h. How far he can select a picnic spot?

a) 120 miles b) between 120 and 140 miles c) 160 miles ans: 120 miles

6)A ship started from port and moving with I miles per hour and another ship started from L and moving with H miles per hour. At which place these two ships meet?

|----|----|----|----|----|----|

port G H I J K L

7)A person was fined for exceeding the speed limit by 10mph. Another person was also fined for exceeding the same speed limit by twice the same. If the second person was traveling at a speed of 35 mph, find the speed limit.

Sol: Let 'x' be the speed limit

Person 'A' was fined for exceeding the speed limit by = 10mph

Person 'B' was fined for exceeding the speed limit by = twice of 'A' = $2 * 10\text{mph} = 20\text{mph}$

given that the second person was traveling at the speed of 35mph

=> $35\text{mph} - 20\text{mph} = 15\text{mph}$

A bus started from bustand at 8.00am, and after 30 minutes staying

at destination, it returned back to the busstand. The destination

is 27 miles from the busstand. The speed of the bus is 18mph. In

return journey bus travels with 50% fast speed. At what time it returns to the busstand?

(11.00am).

9) wind flows 160 miles in 330 min, for 80 miles how much time required.

10)A storm will move with a velocity of towards the centre in hours, At the same rate how much far will it move in hrs. (but the answer is $8/3$ or $2 \frac{2}{3}$)

11) If A is traveling at 72 km per hour on a highway. B is traveling at a speed of 25 meters per second on a highway. What is the difference in their speeds in meters per second?

(a) 1/2 m/sec (b) 1 m/sec (c) 1 1/2 m/sec (d) 2 m/sec (e) 3 m/sec

12) A traveler walks a certain distance. Had he gone half a kilometer an hour faster, he would have walked it in 4/5 of the time, and had he gone half a kilometer an hour slower, he would have walked 2 1/2 hr longer. What is the distance?

a) 10 Km b) 15 Km c) 20 Km d) Data Insufficient

13) A ship leaves on a long voyage. When it is 18 miles from the shore, a seaplane, whose speed is 10 times that of the ship is sent to deliver mail. How far from the shore does the seaplane catch up with the ship?

a) 24 miles b) 25 miles c) 22 miles d) 20 miles

14) In a circular race track of length 100 m, three persons A, B and C start together. A and B start in the same direction at speeds of 10 m/s and 8 m/s respectively. While C runs in the opposite at 15 m/s. When will all the three meet for the first time on the after the start?

a) after 4s b) after 50s c) after 100s d) after 200s

15) If the distance traveled (s) in time (t) by a particle is given by the formula $s = 1 + 2t + 3t^2 + 4t^3$, then what is the distance travelled in the 4th second of its motion?

a) 141m b) 171m c) 243 m d) 313 m

16) A non stop bus to Amritsar overtakes an auto also moving towards Amritsar at 10 am. The bus reaches Amritsar at 12.30 pm and starts on the return journey after 1 hr. On the way back it meets the auto at 2 pm. At what time the auto will reach Amritsar?

a) 2.30pm b) 3.00pm c) 3.15pm d) 3.30pm

TIME AND WORK

1) A is twice efficient than B. A and B can both work together to complete a work in 7 days. Then find in how many days A alone can complete the work? 10.5 (11)

2) A finish the work in 10 days. B is 60% efficient than A. So how days does B take to finish the work? Ans 100/6 (4 days)

3) A finishes the work in 10 days & B in 8 days individually. If A works for only 6 days then how many days should B work to complete A's work? Ans 3.2 days (4 days)

4) A man, a woman, and a child can do a piece of work in 6 days. Man only can do it in 24 days. Woman can do it in 16 days and in how many days child can do the same work? Ans 16

5) If 20 men take 15 days to complete a job, in how many days can 25 men finish that work? Ans. 12 days

6) one fast typist type some matter in 2hr and another slow typist type the same matter in 3hr. if both do combinely in how much time they will finish. ans: 1hr 12min

7) A man shapes 3 cardboards in 50 minutes, how many cardboards does he shape in 5 hours? answer 18cardboards. A work is done by two people in 24 min. one of them can do this work a lonely in 40 min. how much time required to do the same work for the second person.

Sol: (A+B) can do the work in = 1/24 min.

A alone can do the same work in = 1/40 min.

B alone can do the same work in $= (A+B)'s - A's = 1/24 - 1/40 = 1/60$

Therefore, b can do the same work in = 60 min

9) A can do a piece of work in 20 days, which B can do in 12 days. In 9 days B does $\frac{3}{4}$ of the work. How many days will A take to finish the remaining work?

10) Anand finishes a work in 7 days, Bittu finishes the same job in 8 days and Chandu in 6 days. They take turns to finish the work. Anand on the first day, Bittu on the second and Chandu on the third day and then Anand again and so on. On which day will the work get over? a) 3rd b) 6th c) 9th d) 7th

11) 3 men finish painting a wall in 8 days. Four boys do the same job in 7 days. In how many days will 2 men and 2 boys working together paint two such walls of the same size?
a) $6\frac{6}{13}$ days b) $3\frac{3}{13}$ days c) $9\frac{2}{5}$ days d) $12\frac{12}{13}$ days

12) The size of the bucket is N kb. The bucket fills at the rate of 0.1 kb per millisecond. A programmer sends a program to receiver. There it waits for 10 milliseconds. And response will be back to programmer in 20 milliseconds. How much time the program takes to get a response back to the programmer, after it is sent? ans 30 milliseconds

TRAINS

1) TWO STATIONS A & B ARE 110 KM APART. ONE TRAIN STARTS FROM A AT 7

AM, AND TRAVELS TOWARDS B AT 20KMPH. ANOTHER TRAIN STARTS FROM B AT 8 AM

AND TRAVELS TOWARDS A AT 25KMPH. AT WHAT TIME WILL THEY MEET?
A. 9 AM B. 10 AM C. 11 AM D. 10.30 AM

TREE

1) 900 M WIDE 3000 M WIDTH SOMETHING I CAN'T REMEMBER SOME VALUES ARE GIVEN BY AIR PER M Rs. 4 BY GROUND PER M Rs. 5 THEN WHERE U WILL CUT

2) Two trees are there. one grows at $\frac{3}{5}$ of the other in 4 years, total growth of trees is 8 ft. what growth will smaller tree will have in 2 years (< 2 ft.) ie $1\frac{1}{2}$ feet

TRIANGLES

1) Given the length of the 3 sides of a triangle. Find the one that is impossible? (HINT : sum of smaller 2 sides is greater than the other one which is larger)

2) 3 angles or 3 sides r given. Which will form a triangle?

UNITS

1) $(\text{Momentum} * \text{Velocity}) / (\text{Acceleration} * \text{distance})$ find units. ans mass

2) $(\text{energy} * \text{time} * \text{time}) / (\text{mass} * \text{dist}) = \text{distance}$

3) $(\text{momentum} * \text{velocity}) / (\text{force} * \text{time}) = \text{velocity}$

4) Find the physical quantity in units from the equation:

$(\text{Force} * \text{Distance}) / (\text{Velocity} * \text{Velocity})$ Ans. Ns^2/m

5) Find the physical quantity represented by $\text{MOMENTUM} * \text{VELOCITY} / [\text{LENGTH} * \text{ACCELERATION}]$?

VENN DIAGRAM

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1)Venn Diagram kinda ques.Some know English, some French,some German.....how many know two languages.....

2)VENN DIAGROM below

1. HOW MANY PERSON KNOW ENGLISH MORE THAN FRENCH
2. HOW MUCH % OF PEOPLE KNOWS ALL THE 3 LANGUAGES
3. HOW MUCH % OF PEOPLE THOSE WHO KNOWS FRENCH AND GERMAN AND NOT ENGLISH

FRENCH

3)Consider the following diagram for answering the following questions:

- A. Find the difference between people playing cricket and tennis alone. Ans: 4
- B. Find the percentage of people playing hockey to that playing both hockey and cricket.
- C. Find the percentage of people playing all the games to the total number of players. Ans: 6%

- 4)1. How many more or less speak English than French?
2. What % people speak all the three languages?
3. What % people speak German but not English?

WEIGHTS

1)There are 150 weights .Some are 1 kg weights and some are 2 kg weights. The sum of the weights is 260.What is the number of 1kg weights?Ans. 40

2)A truck contains 150 small packages, some weighing 1 kg each and some weighing 2 kg each. how many packages weighing 2 kg each are in the truck if the total weight of all the packages is 264 kg?

(a) 36 (b) 52 (c) 88 (d) 124 (e) 114

3.CRITICAL REASONING

In dis section u will b given 3 qstns 2 b ans in 30 min.every critical reason qst hac 5 qstns $5*3=15m$

B cool here. 4 dis section prepare d analytical reasoning section 4m GRE BARRONS MODEL PAPERS(12th or 13th or 11th edi)u will definitely get atleast 2 qstn 4m dis model papers so prepare dem

Frens prepare model papers well.(gre barrons) if u know all d qstns don answer all of dem bcoz u hav upper cutoff.b careful.ALL THE BEST

After u clear online test ull hav a tech interview.

I being a mech student I said thermo my fav subject but dey coverd all d subjects

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Ull b askd 2 write ur 1st year 2-1 ,2-2, 3-1subject names . so remember d subjects semester wise. Am asked 2 write my 3-2 subjects n my frens were askd 2 write d oder sem subs also.if u r askd 2 say wat topics u hav in a sub say only d topics ur familiar wid.for example he askd wat r d topics u hav in thermal if u say air conditioning u shud b able 2 draw d cycle n explain.so b careful oder wise ull b in a trouble.

I was askd 2 say all d 4 themodynamic laws,carnot theorem,otto cycle,diesel cucle ,dual cycle(askd 2 draw n explain cycles)entropy defnithn enthalpy def

2 strok 4 stroke differences,ci si difrences,cam design,octane no ,cetane no,types of nozzles,

pump def,types of pumps turbine def types of turbines

metrology def,insruments used in metrology

know d basic defs n imp topics in evry sub ull b through

don get scared or worried if u don know an ans

simply say I don know or unable 2 recollect or sumting lik dis

but don try 2 bluf

don get stuck.dey don expect u 2 answer all d qstns answer atleast1 or 2 wid confidence

see 2 dat while answering qstns u r not worried BE CONFIDENT N ONLY DEN U CAN GET THROUGH deyll see ur confidence level

prepare d qstn tell me abt urself well.dis is d most common qstn.Highlight ur achievements know ur position in d class dey ak dis one also prepare atleast 1 weakness 2 say 2 dem weakness u said shudnot seem like a weakness 4 dem or atleasy say sum measure u adopt 2 overcome ue weakness ok.atleast say I hobby n be sure dat u know sum information regarding dat hobby deyll test u n b smart in saying ur hobby.for example reading buks is ur hoby.don say redaing books

say reading books is my hobby especially dat of say an authors name so dat u will reduce d no of qstns d interviewer pose.b coz if u say reading buks he may hav a num of qstns if u mention a particular author he will not go beyond dat author ok.ALL D BEST

I hav made sum nistakes in dis round so iam not through.

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While going 2 a tech interview also better u prepare 4 hr intrview also sumtimes dey may ask hr qstns in tech interview also.if ur % is falling 4m semester 2 sem u shud b able 2 explain d reason 4 it.prepare 4 dis b4 hand perfectly

SO lastly d thing u hav 2 do b4 going 2 an interview is

- 1.prepare 4 tell me abt ur self qstn
- 2.remember all d subs semester wise
- 3.brush up ur basics in every subject,remember some imp defs n formulae
- 4.know abt d company (listen d preplacement talk keenly n write imp points)
- 5.give ur answers confidently n wid a smooth voice

n ull b through

TCS PAPER ON 2nd DECEMBER AT PUNE

Hello Freinds

My Name is Arshad I. Shaikh and i would like to share my expereince during TCS Off-Campus Inteviuw. I m student of Dr. D. Y. Patil College.Pimpri and Studying in M.C.S. The Test was on 2nd of December 2007. The written test was at Panchsheel Street,Hadapsar,Pune

They called all the candidates at 8:30 a.m. There were around 600students and they have 100 batches for written test. I was there in campus at 9:30 a.m and my apti batch started on 4:30 in the evening. So i was very tired in their AC room. It was online test consisting of 35 question that u have to solve in 90 min. U would thinks its easy but believe me my freinds it was not so easy. I had completed 14 quest in 1 hr. It consist of max logical question and very few verbal quest. The quest was like

Sample Apti Quest

1)P,Q,R,S,T,U are the students in the class.

P is taller than U, U is shorter than S, S is taller than P,.....(not remember)

Find who is taller one

2)A,B,C are the 3 student that have stolen a camera.

This each student has made 2 statement in which one is speaking true,one is lying and other is giving alternate true and lye

Their Statement are

A: 1) B has stolen camera

2) I m not telling lie

B: 1)C is telling true

2)I have not stolen Camera

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C: 1) A is telling lie
2) i m telling truth
Find out who is telling alternate true and lie.
A) A B) B C) C D) Cant Determined.

There were few questions on Trains, Boatstreams, Blood Relations, Verbal
So my advice to you to answer that question that u know very well and in last 10 min
answer all your guess questions. There is no Negative Marking. I have scored 14/35. The
question are very lengthy and u have answer reading all quest so max time was wasted
over there.

Cutoff was 13. It depends on level of complexity in each aptitude.

After written test they said result in 5 mins. and were given blue form to fill all the
personal details and said that u will be call for technical round within 7 days. They have
given hint that ur technical round will be on your skills written in ur resume. So friends if
ur knowing little Java then please dont mention in resume. I was called for Interview on
7th Dec and i was very nervous. when i went to interview, the interviewer realised that i
m nervous he told me that dont be nervous and take this interview as our discussion. He
told me that roam in campus for 5 min. and then come u will feel litle bit good. So after 5
min, my tec round started.

He asked about me, background details, academic projects and favourite subject
I told him C and C++ are my favorite subject.

He asked me on How do you gather info for project (answered), what r the
parameters (answered), after gather info what u will do (answered).

The he asked me about TCS

Then i impress him much explaining TCS (So prepare well). The interview was 1 and half
hr

TCS clients, CMM level, Total Employees, Involved in, Annual revenue, Awarded
for, Located at, Vision

TCS vision is Global 10 by 2010 it means right now TCS is on 11th pos on world top
company and wants to be in 10 before 2010.

So after tech round Hr Round was very good the hr was only taking confirmation and
asked some personal informations.

If u cleared aptitude then u have done 70% if u cleared tencical then u have done 95%.

All tech round clear stud have cleared Hr round as well

Then hr said that ur result will be mailed to you within 1 week and we all got
confirmation mail that we are selected after 2 weeks.

So total 41 students are selected for TCS and has Training in Chennai for 4 months

And right now i m waiting for Offer letter.

So, Hopes that my experience will help u before appearing for TCS and wish u BEST OF
LUCK

MEET ALL OF U IN TCS

Written test was on 1st Aug. abt 700 students appeared .the test comprised of most questions 4m earlier test paper .there were 3 sets .

for verbal section---

4 this i wud ask u 2 refer d paper of NIT Jamshedpur on 5th july(u'll get this on freshersworld itself).the words were antonyms n synonyms....tawdry,brackish,controvert,scanty,banal,indignity,discretion,meagre,incorrigible,misdemeanour,indigneous,

the aptitude section need just practice of earlier papers...ques like

$g(n)+g(n-1)$...

$t^2/6+5t+3$ find the temperature elapsed between 4am to 9am....

#address of array element in which address of 1st element is given...based on formula
base address+number of bytes req.((no. of rows -1)* no.of columns+(no.of columns-1))...see that it is rowmajor order or column major order

#a simple series problem

#which of d following is an integer type..4 fractions were given

#greatest prime number of 6,7,8,9-bit pattern

($2^6=64$ so, ans is 61 likewise)

#3 ques on pie & bar chart(industrial distribution)

#venn diagram ques (no. of students passed in phy,chem ,maths.....)

#bucket problem.....data packets take 10 milliseconds....20 millisecc to be transferred....

#flight problem...latitude & longitude given....to find the local time

#A n B can do 70 papers in 10 hrs. B alone can do 50 papers in 10 hrs. A alone can do 26 papers in.....(ans-13 hrs)

#velocity*momentum/accln *distance=mass

(see these type ques 4m earlier papers)

#student gets 3&3.5 in class exam & 1.2 & 1.45 in final exam respectively.What might be the class marks of 3rd student who got 0 marks in final exam

#A,B,C are 8-bit binary numbers.....to find (A-B)UC

#find odd one out

a)lisp,java,eiffel,smalltalk(ans-lisp)

b)smtp,arp,wap,http,baan(ans-baan)

c)sql server,ingress,oracle,db2,java(ans-java)

#size of program is given by $4000 *(\text{square root of } N)$.memory is given by sqrt

($100*N$).if size of program is increased by 1%.find % increase in memory(ans-0.5)

#to find base of a number whose decimal equivalent is given

reasoning section comprised of questions exactly 4m GRE Barrons model test papers(12th edition) like

a)motorist...3ways to go from A to C...toll free highway etc...

b)red n brown marriage

- c)all g's are h....
- d)few people speak spanish ,italian....
- e)homer museum....

we had 2 wait a lot....before results were out..few weren't selected 4 the interview.

2nd Aug-tech n HR interview.they adopted 2 methods....some gave combined interview(tech n HR).most gave 2 rounds of interview.

technical Interview--

u can b asked to say abt ur fav subject. so prepare well on those subjects.most ques were 4m c++,dbms,data structures,operating system,c,java.(we r from MCA)

#aggregation(4m dbms)

#deadlock avoidance(banker's algo)

#program of linked list

#friend function,copy constructor,operator overloading,multiple inheritance,virtual function

#types of polymorphism

#normalization

#types of sorting algo

sql queries

#Unix commands

#concurrency control ,authorization ,joins in dbms,diff between dbms n rdbms

#diff between structure n union.wich is better n why

#storage classes

#diff between procedure n function

OOP features,diff between encapsulation n encryption(1st i was confused but then i said these r 2 diff things n i explained...they'll try 2 confuse u)

HR Interview(listen 2 the ppt given by them carefully n u can add points 4m their ppt into ur interview.this sounds good n shows ur sincerity)

#Abt urself(prepare this ques very well coz mind this is d best ques 2 make ur impression on them)

#ur hobbies

why tcs

ur weaknesses

wat u can add 2 r company

#r u ready 4 relocation

#wich technology wud u prefer(like R n D ,appln dev.)

#rate urself on a scale of 1-10

#rate the interviewer

#do u think dat u'll b selected

#if there is year-gap prepare a solid reason

#finally they'll say 2 ask a ques.

the result came on 3rd Aug(at 5.30 pm).finally 285 were selected.we were among those 285.

Your confidence is the only key to get into TCS....So be confident....hope 2 meet u in TCS...

TCS INTERVIEW ON 26th MARCH AT BHUBANESWAR

Hello Everybody I am Surya from Silicon Institute of Technology,Bhubaneswar and I am giving some questions asked in TCS technical+HR interview. This interview is the selection process(be prepared for branch subject).

I entered into the room and greeted the interviewer.

Interviewer: What is ur family back ground and ur educational back ground?

Me: told names and what r they doing.accordingly ,started my schoolling,then intermediate then where u r pursuing now with branch ,sem.

Interviewer: ur fav. subject is transmission and distribution of power..say the various losses in transmission line?.

Me: answered

Interviewer: He asked about what the prevention for that losses?

Me: Answered

Interviewer: asked about my paper presentation on"multilevel inverter"?

Me: answered

Interviewer: difference between structure & union

Me: answered

Interviewer: asked about binary search?

Me: answered with example

Interviewer: write the algorithm of binary search?

Me: Answered(but missed one step)

Interviewer: started asking whether u know SQL or not?

Me: answered yes ,
Interviewer: asked some queries

Me: answered

Interviewer: smiled and gave me to write the correct hierarchy between table, tablespace and database

Me: answered

Interviewer: asked about my year gap?

Me: answered

Interviewer: smiled by looking my hobbies?

Me: i too smiled at him....

Interviewer: asked whether i have any mobility constraints ?

Me: answered NO

Interviewer: asked whether i am aware about service bond with TCS not?

Me: answered Yes

Interviewer: then questioned back to " what is reactive power and how it could be compensated?"

Me: answered

Interviewer: asked what is the difference between capacitor and diode?

Me: answered

Interviewer: asked any question for me?

Me: asking about the training programme provided by TCS?

Be thorough with your basics and be well prepared with C,C++ ,DS but important is RDBMS

Even questions like Fibonacci series (both normally & using recursion were asked)

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Quick sort, Merge sort, Selection Sort, Bubble Sort are the hot questions For EEE people be ready for machine, TD, microprocessor, DEC, some r asked about OE, PHYSICS, MECHANICS

Why TCS (be prepared for this)
Why i select u (be prepared for this)

The result was out at 9:00 pm and I was selected among the 145 students selected in SILICON INSTITUTE OF TECH..

Thank you

TCS PAPER ON 27th FEBRUARY AT KOLKATA

Hi Guys This is MANSOOR student of Electronics & Communication from Guru Nanak Institute Of Tech TCS came to our campus on 27/02/08..... I know u don't wanna know who I m... So Let me come straight to the point.....

The paper was divided into 3 sections...

- 1) ENGLISH,
- 2) QUANTITUDE,
- 3) LOGICAL REASONING -Puzzle part.....

It was an online test so u didn't have the choice to choose a part in which u r comfortable in, u have to start with English, then Quant and then Puzzle....

For ENGLISH see the ANTONYM given in (Barron's Gre (12th edition) Chapter-6 Antonym Exercise) some of the words I can remember are 1) GAUCHE- lacking social polish, 2) DISCREETNESS- prudence, 3) CHURLISH- rude

There were also couple of passages (where u have to fill the missing sentences) which were a bit tricky so I will advice u guys to solve that first and den come to Synonyms and Antonyms (which are 10 each in total)

For QUANT some of them were quite easy such as

- 1) Interchange "MEASUREMENTS" the first with 2nd letter, 3rd with 4th and so on., and den get the 12th letter from right

Ans :) E

- 2) There was a table where for certain values of X., there were some values of Y...

Ans :) $y = \log(x)$

- 3) How many zeros are there in 100!

Ans :) 24 (get LCM of 100 and add the no.'s)

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4) the sides are given which triangle is not possible.....
(A) (2,3,6) (B) (3,2,4) (C) (3,4,5) (D) (3,3,3) (E) (5,3,5)

Some other Q's were:

5) Select the odd one out
a. Oracle b. Linux c. Ingress d. DB2
<!--[if !supportLineBreakNewLine]-->
<!--[endif]-->

6) Select the odd one out
a. SMTP b. WAP c. SAP d. ARP

7) Select the odd man out.
a. Java b. Lisp c. Smalltalk d. Eiffel

Some of the other questions were exactly of the same pattern like previous years papers
(Data's are changed of course)...

Say it finding the no.'s from one base to another as in NUMBER SYSTEM,
STANDARD DEVIATION, PROFIT AND LOSS, PERCENTAGE, PROBABILITY,
TIME AND WORK, NUMBERS, AVERAGE AGES, RATIO AND PROPORTION,
ALLIGATION OR MIXTURE, SIMPLE INTEREST, COMPOUND INTEREST,
PERMUTATION & COMBINATION etc

For PUZZLE part it was exactly from Barron's Model Test papers (Data's not
changed)..it was basically from model test papers.

Model test 1- Section 5: 1-4, 5-6, 8-12, 13-16, Section 6: 8-11, 12-18, 19-22
Model test 2-Section 1: 1-4, 12-18, 19-22, Section 6: 8-12, 13-16, 24-25
Model test 4- Section 5: 8-11, Section 6: 8-12
Model test 5- Section 3: 1-4, 8-11, 23-25, Section 7: 1-5, 6-9, 16-20, 21-25

When I cleared my aptitude I was quite relieved

Then I went for my interview at around 8.00pm HR and TECHNICAL was taken
together...first of all I was made to wait for around 7 min outside the room which was
quite nerve wrecking and then it started

Me:) Good Evening Sir
Interviewer) Nodded and asked me to sit
Interviewer) Tell me about urself
Me) Told with poised...
Interviewer) asked me about my favourite subject

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Me) Digital Electronics

Interviewer) OK tell me the diff between a digital and analog signal

Me) explained with diagrams

Interviewer) What is the discrete value of a digital system

Me) 0 and 1 Sir

Interviewer) OK tell me where u do u see yourself in next five years

Me) Told

Interviewer) what kinds of transistors are there

Me) about to say but another sir came in and interrupted me and den he asked

Interviewer) What do you mean by AM and FM

Me) Explained

Interviewer) have u seen a radio and how we have to tune it... what exactly happens:

Me) explained with élan

Interviewer) Do you know about Mobile Communication

Me) A bit sir... but not in details as I will study this in the next semester

Interviewer) Do you know HLR or something

Me) I didn't understand as it was from Mobile Communication but I told him about CDMA technique coding, PCM etc So he got impressed and asked me

Interviewer) OK u know ur subject lets go into programming language... Which language u know ?

Me) C

Interviewer) OK what is meant by local, global, static variable, what is static global variable (everything abt storage class)

Me) explained thoroughly

Interviewer) Do u know pointers

Me) Yes sir

Interviewer) Take two pointers string and concatenate them

Me) I did it with strcat()

Interviewer) very smart

Interviewer) Do it without using functions

Me) I tried.. but couldn't get it

Interviewer) then asked me to declare integer and assign an integer pointer and then print the post increment of it and get the output

Me) done

Interviewer) do you why have we asked u to fill the languages column

Me) said because of some preferences and topographical restrains...

Interviewer) was satisfied andshook hands

When the result was declared I felt like floating in the sky... it was an out of this world kind of feeling

My advice will be to all aspirants is that back ur knowledge...ur ability and belief in urself...try to get the first few lines in the interview to be perfect and rest u will sail through....

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Chat with other engineers at www.123eng.com/forum

NOTE: For Non CSE students my advice is to know ur core subjects properly and hav only sound knowledge of C, data structures etc.

Hope to meet in TCS.....Have a nice day

TCS PAPER ON 27th JANUARY 2008

Hi freinds, I appeared for the TCS in JSS ACADEMY OF TECHNICAL EDUCATION, NOIDA on 27th JAN 2008. WRITTEN PAPER was oraganized in groups of 50-100 each. They had selected total 195 students for the interview from more than 500 candidates. And finally they selected 78 students after interview.

The test was bit easy...(it all depends on ur preparation)... I am writing my experience..

The written test consisits of 3 sections.

- 1.VERBAL (32 Question(10syn, 10ant, 6sentence completion, 6RC).
- 2.Aptitude (38 questions)
- 3.Critical Reasoning (12 Questions).

please go through all previous papers once. and BARRON'S GRE 12TH EDITION IS MUST.

1.VERBAL SECTION:

For Synonyms & Antonyms:Prepare from previous papers and fresherworld's power preparation for TCS. RC and Sentence Completion is little bit tough.

PLEASE do three or four questions one day before from .

(recently asking....)

Censure - fault, criticize

Optimum- best, most favorable

Candid- frank, open, blunt, upfront, forth-right

Cite - quote, name, mention, refer to, allude to

Effusive - demonstrative, fussy, talkative, overenthusiastic,vociferous, extroverted

Voluble - articulate, vociferous, talkative

Banal - commonplace, trivial, predictable, trite, hackneyed

Standing - rank, permanent, position, duration, status, reputation,eminence

Nascent - budding, emerging, blossoming, embryonic

Clutch - grasp, grab, hold

Generic - general, basic, common

Empirical -experimental, pragmatic, practical

Anomaly - irregularity, glitch, difference

Circuitous - roundabout, twisty, meandering, indirect, winding, tortuous

Surveillance - observation, watch, shadowing

Objective - aim, impartial, real, purpose, goal

Raucous - rough, wild, hoarse, guttering

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Voracious - insatiable, avid, hungry, big, rapacious, greedy
Pedigree - rare-breed, full-blooded, lineage
Fidelity - loyalty, reliability
Augment - supplement, boost, add to, bump up
Precarious - unstable, shaky, risky, uncertain
Derogatory - disparaging, critical, insulting, offensive
Onus - responsibility, burden, obligation, duty
Analogous - similar, akin, related
Expedient - measure, convenient, device, maneuver
Compliance - fulfillment, obedience
Diffident - shy, insecure, timid
Plaintive - mournful, sad, melancholic, nostalgic, lamenting
Insinuate - imply, suggest, make-out, ingratiate yourself
Misdemeanor - wrong, sin, crime, offense
Exonerate - clear, forgive, absolve
Gregarious - outgoing, extroverted, sociable, expressive, unreserved
Benign - kind, benevolent, compassionate
Attenuate - satisfy, calm, soothe, ease
Sonorous - loud, deep, resonant, echoing
Bolster - boost, strengthen, reinforce, encourage
Heterodox - unorthodox, dissenting, contrary to accepted belief, heretical, deviating
Restiveness - impatience, restlessness, nervousness
Effigy - image, statue, model
Retrograde - retrospective, traditional, conservative, nostalgic, forward-looking (antonym)
Sacrosanct - sacred, holy, revered
Dangle - hang down, sway, droop, swing, suspend
Cryptic - mysterious, enigmatic, puzzling, hidden
Debilitate - incapacitate, weaken, hamper, encumber, hinder
Divulge - reveal, disclose
Spendthrift - wastrel, squanderer, compulsive shopper
Indigenous - native, original, local
Erroneous - mistaken, flawed, incorrect
Minion - follower, subordinate, underling, gofer
Veracity - reality, truth, sincerity.

2. APTITUDE SECTION:

please go through these questions so you will find this section quite easy. some may be repeated

1. One Rectangular plate with length 8 inches breadth 11 inches and 2 inches thickness is there. What is the length of the circular rod with diameter 8 inches and equal to volume of rectangular plate ?

ans: 3.5 inches

2. 2 oranges, 3 bananas and 4 apples cost Rs.15 . 3 oranges 2 bananas 1 apple costs Rs 10. what is the cost of 3 oranges, 3 bananas and 3 apples

ans: Rs 15.

3. Two pencils costs 8 cents, then 5 pencils cost how much

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ans:20 cents

4. A sales person multiplied a number and get the answer is 3, instead of that number divided by 3. what is th answer he actually has to get ?

ans: $1/3$

5. A stationary engine has enough fuel to move 12 hours when its tank is $4/5$ full, how much hours will it run when the tank is $1/3$ full

ans: 5 hours

6. A car travels 12 kms with a $4/5$ th filled tank. How far will the car travel with $1/3$ filled tank?

Ans. 5 kms

7. The sum of the digits of a two digit number is 8. When 18 is added to the number, the digits are reversed. Find the number?

Ans. 35

8. Fathers age is 5 times his son's age. 4 years back the father was 9 times older than son. Find the fathers' present age.

Ans. 40 years

9. What number should be added to or subtracted from each term of the ratio 17 : 24 so that it becomes equal to 1 : 2. Ans. 10 should be subtracted

10. What is the 12th term of the series 2, 5, 8, --

Ans. 35

11. If 20 men take 15 days to to complete a job, in how many days can 25 men finish that work?

Ans. 12 days

12. If Rs.1260 is divided between between A, B and C in the ratio 2:3:4, what is C's share?

Ans. Rs. 560

13. Hansie made the following amounts in seven games of cricket in India: Rs.10, Rs.15, Rs.21, Rs.12, Rs.18, Rs.19 and Rs.17(all figures in crores of course). Find his average earnings.

Ans. Rs.16 crore

14. There are 150 weights .Some are 1 kg weights and some are 2 kg weights. The sum of the weights is 260.What is the number of 1kg weights?

Ans. 40

15. A family, planning a weekend trip, decides to spend not more than a total of 8 hours driving. By leaving early in the morning, they can average 40 miles per hour on the way to their destination. Due to the heavy Sunday traffic, they can average only 30 miles per hour on the return trip. What is the farthest distance from home they can plan to go?

(a) 120 miles or less (b) Between 120and 140 miles (c) 140 miles

(d) Between 140 and 160 miles (e) 160 miles or more

16. A car is filled with four and half gallons of fuel for a round trip. If the amount of fuel taken while going is $1/4$ more than the amount taken for coming, what is the amount of fuel consumed while coming back?

(a) Less than 2 gallons (b) 2 gallons (c) $2\frac{1}{2}$ gallons

(d) 3 gallons (e) More than 3 gallons

17. A 3-gallon mixture contains one part S and two parts R. In order to change it to a mixture containing 25% S, how much R should be added?

(a) $1/2$ gallon (b) $2/3$ gallon (c) $3/4$ gallon (d) 1 gallon (e) $1\frac{1}{2}$ gallon

18. Wind flows at 160 miles in 330 minutes, for traveling 80 miles how much time does it require?
(a) 1 hour 30 minutes (b) 1 hour 45 minutes (c) 2 hours (d) 2 hours 45 minutes (e) 3 hours
19. A salesperson by mistake multiplied a number and got the answer as 3, instead of dividing the number by 3. What is the answer he should have actually got?
(a) 0 (b) 1/3 (c) 1 (d) 2 (e) 3
20. In the class of 40 students, 30 speak Hindi and 20 speak English. What is the lowest possible number of students who speak both the languages?
(a) 5 (b) 20 (c) 15 (d) 10 (e) 30
21. One year ago Pandit was three times his sister's age. Next year he will be only twice her age. How old will Pandit be after five years?
(a) 8 (b) 12 (c) 11 (d) 13 (e) 15
22. A moves 3 kms east from his starting point. He then travels 5 kms north. From that point he moves 8 kms to the east. How far is A from his starting point?
Ans. 13 kms
23. Father's age is 5 times his son's age. 4 years back the father was 9 times older than son. Find the father's present age.
Ans. 40 years
24. if the word 'ddosszm' is changed to 'central' then what will be the change for 'rtjbl' ?
ans: quick
25. what is the largest prime number in 8 digit number?
26. the word unimpressive was given. they asked us to do change 1st & 2nd, 3rd & 4th, so on. then they asked what will be 10th letter from right?
ans: m
27. the plane question was asked. it took off from 7 degree 53' 6.1" and landed at 8 degree 6' 43.5". it takes 12 hours to travel between these points. then what will be local time at destination ? [just follow previous ques paper the problem was same]
28. $g[0]=1, g[1]=-1, g[n]=2*g[n-1]-3*g[n-2]$ then calculate $g[4]=?$
29. the series was asked : 5, 6, 7, 8, 10, 11, 14, -?
30. they asked the temperature problem. it was same as previous papers. the ratio was - $t^2/6+4t+12$.
31. the matrix of a(7,9) was given. the address of the first byte of a(1,1)=1258. it takes 4 bytes to store the number. then calculate the address of the last byte of a(5,8)
32. the program requires $4000(n)^{1/2}$ [ie square root of n]. if size of program was increased by 1% then calculate the percentage change in size of program.
33. $\text{modulo}(373,7)+\text{round}(5.8)+\text{truncat}(7.2)-\text{round}(3.4) = ?$
ans : 12
34. (imp) the bucket size is 10KB. it takes 0.0001 KB/milisec to fill bucket. the bucket takes 100 or 1000 milisec to reach to destination. it takes 100 milisec to pass acknowledgement from dest to source. so calculate how much time will it take to pass N KB, write formula.
35. the graph was given. the x and y axes were there. the line is intersecting them. the points of intersection were $y=3, x=0$ and $x=-2, y=0$. write the equation of line.
36. the decimal number was given. it was converted to other system. they asked to identify the system. i.e. octal, hexadecimal.

37. Satish earns 240 weekly. 12% of big amount + earning weekly = 540. What is the big amount?

a) 3200 b) 3600 c) 2500 d) 1000

Sol : c

38. There is a six-letter word UGANDA. How many ways u can arrange the letters in the word in such a way that both A's are together. Ans) 120

39. If two cards are taken one after another without replacing from a pack of cards. What will be the probability for 2 cards to be drawn? Ans) $\frac{1}{13} \times \frac{1}{17}$

40. In a two-dimensional array, X (9, 7), with each element occupying 4 bytes of memory, with the address of the first element X (1, 1) is 3000; find the address of X (8, 5).

41. In the word ORGANISATIONAL, if the first and second, third and fourth, fourth and fifth, fifth and sixth words are interchanged up to the last letter, what would be the tenth letter from right?

42. Select the odd one out. - a. Java b. Lisp c. Smalltalk d. Eiffel.

43. Select the odd one out a. SMTP b. WAP c. SAP d. ARP

44. Select the odd one out a. Oracle b. Linux c. Ingress d. DB2

45. Select the odd one out a. WAP b. HTTP c. BAAN d. ARP

46. Select the odd one out a. LINUX b. UNIX c. SOLARIS d. SQL SEVER

47. Select the odd one out a. SQL b. DB2 c. SYBASE d. HTTP

48. If TAFJHH is coded as RBEKGI then RBDJK can be coded as?

49. $G(0) = -1$, $G(1) = 1$, $G(N) = G(N-1) - G(N-2)$, $G(5) = ?$

50. A power unit is there by the bank of the river of 750 meters width. A cable is made from power unit to power plant opposite to that of the river and 1500mts away from the power unit. The cost of the cable below water is Rs.15/- per meter and cost of cable on the bank is Rs.12/-per meter. Find the total of laying the cable.

51. In Madras, temperature at noon varies according to $-t^2/2 + 8t + 3$, where t is elapsed time. Find how much temperature more or less in 4pm to 9pm.

52. Which of the following are orthogonal pairs?

a. $3i+2j$ b. $i+j$ c. $2i-3j$ d. $-7i+j$

53. If A, B and C are the mechanisms used separately to reduce the wastage of fuel by 30%, 20% and 10%. What will be the fuel economy if they were used combined.

54. What is the power of 2? a. 2068 b. 2048 c. 2668

55. A, B and C are 8 bit no's. They are as follows:

A -> 1 1 0 1 1 0 1 1

B -> 0 1 1 1 1 0 1 0

C -> 0 1 1 0 1 1 0 1

Find $((A-B) \cup C) = ?$

56. A is twice efficient than B. A and B can both work together to complete a work in 7 days. Then find in how many days, A alone can complete the work?

57. $(\text{Momentum} \times \text{Velocity}) / (\text{Acceleration} \times \text{distance})$. Find units.

58. Which of the following set of numbers has the highest Standard deviation?

a) 1,0,1,0,1,0 b) -1, -1, -1, -1, -1, -1

c) 1,1,1,1,1,1 d) 1,1,0, -1,0, -1

59. 3 angles or 3 sides r given. Which will form a triangle?

60. Venn Diagram kinda ques.

Some know English, some French, some German...how many know two languages..-

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61. Bar Diagram, Pie Chart (similar to Data interpretation)
62. if $n=68*12*51$, which one is not a integer
1. $n/102$, 2. $n/72$, 3. $n/153$, 4. $n/136$ 5. $n/244$
63. no. of vertices, edges, faces are given. which one among these best suits for the solid planner cube.
12, 8, 6 6, 8, 12 4, 8, 12 8, 12, 6
64. Which one among have higher deviation: 1. 7, 0, -7, 7, 0, -7 2. -7, -7, -7, -7, -7, -7
3. 7, -7, 7, -7, 7, -7 4. 7, 7, 7, 7, 7, 7
65. match the box
a. scooter---automobile a. super set of
b. oxygen---water b. not a type of
c. shop floor staff----filters c. a type of
d. bug---reptile d. part of

IIIrd Section Critical Reasoning

this section is little bit tough and mostly it depend on your luck that what question you get.

(3 Problems and 12 questions (4 question for each problem))

please go through these questions in BARRON'S GRE 12TH EDITION model papers.

- 1) 2 types of marriage problem (Red - Brown).
- 2) Dog's problem.... ..(name of the dogs) won the top of four prizes..-
- 3) Wallaci... And Rumania are delicates from this two countries are ..-
- 4) East liver pool Problem(6 cities) ChetanaS
- 5) University College Problem (j , k, l,..) Small college big university.
- 6) Pesth(Plumber and electracian)
- 7) One problem with number series (squares and cubes)
- 8) Joes apartment problem
- 9) US citizen (US born , Naturalized)problem
- 10) Scurvy problem (disease)
- 11) Mirmar hotel

after half an hour I got my written result and i fill the the form. my interview is on next day.

Technical and HR & finally MR

In technical they shoot questions only in what u mentioned in Resume.. you must be a master in SQL they also ask general questions from your syllabus.

Technical Interview (20-25 min mostly depend on person and your luck)

I was interviewed for only 10 minutes.

So Be prepared with ur resume..-

1. They asked introduce yourself

I gave intro..

2. They asked some questions in C, software engg., DBMS

Query for selecting a tuple in a table.

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3. About my projects which I had mentioned in Resume..
Then they say me for waiting some time

please take your pen with you ,coz i forgot mine that's all in Technical.

After some time I get call for HR

HR...

- 1) How are you feeling?????????
- 2) How was your day??????
- 3) Have you taken your breakfast????????
- 4) What you have taken in breakfast??????
- 5) If we send you at any location in India or abroad you will go or not??????
- 6) tell me something about you that is not in resume??????
- 7) If we give you any assignment you will accept or not????????

than she told me that You are bonded for 2 years with TCS and if you break it then you have to pay 50000/- rs to us And we can place you any city in India there you have to do coding work on project you are ready for it
I say yes.....

this is all i was asked I did not get a call for MR
On next day night the results were announced and my name was there in the list.

TCS PAPER ON 28th FEBRUARY AT KOLKATA .

Hi, I am PRITHWISH BANERJEE, recently I have been recruited from NIT, Kolkata by TCS. I am pursuing B.TECH with INFORMATION TECHNOLOGY (IT). Here I want to share my preparation and experience with you all.

The entire recruitment process consisted of:

- i) Initial screening (60% in 10th, 12th and B-Tech) (219 were eligible in this phase)
- ii) Online Aptitude Test (190 cleared this test)
- iii) Personal Interview (Both Technical and HR interview) (130 cleared and selected finally)

ONLINE APTITUDE TEST:

The aptitude test was online.

1. Verbal-40 Q / Time- 20 mins.
2. Quantitative-38Q / Time- 40 mins.
3. Critical Reasoning-12Q / Time- 30 mins.

Total time for aptitude test was 90 mins. (No negative marking & no sectional cut off.)

1. Verbal:

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This section consists of 10 synonyms, 20 antonyms, 5 fill in the blanks and 5 mcq type questions from a passage.

For this section you have to prepare from

1. Barron's GRE high frequency word list.
2. Barron's GRE antonym questions.
3. Barron's GRE sentence completion questions.
4. Barron's GRE reading comprehension questions.

Prepare above all properly because they repeat questions from previous papers. They exactly give the passage from Barron's GRE (Mainly from 12th edition). Even they do not change the values.

2. Quantitative:

For this section initially you should start your preparation with R.S. Agarwal or Taira (any one, no need to follow both of them). Then go through the old papers, just you have to know the methods to solve each question.

They change the numerical values and names only.

Also you need to practice Data Interpretation, Venn diagram and Pie Charts from Barron's GRE.

3. Critical Reasoning:

Refer to GRE 12th edition (Go through these Questions given below???. In some Questions names and data were changed)

Model Test Paper 1:

Section 5: Ques. 1-4 (For a motorist?)

Ques. 13-16 (In a certain society?..)

Section 6: Ques. 1-4 (In country X, conservative?..)

Ques. 8-11 (Tom wishes??)

Model Test Paper 2:

Section 1: Ques. 19-22 (Delegations from Wallachia ?..)

Section 6: Ques. 13-16 (Spelunkers international??)

Model Test Paper 3:

Section 5: Ques. 13-16 (Observance of memorial?..)

Ques. 17-22 (An airdale??..)

Section 6: Ques. 8-11 (At a formal??)

Model Test Paper 4:

Section 5: Ques. 19-22 (A, B, C or W may cause D?..)

Section 6: Ques. 13-16 (All A's, B's,)

Ques. 17-22 (At a Congress??)

Model Test Paper 5 :

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Section 6 : Ques.1-5 (In a certain Society??)

These are the most common items for TCS. Some of my frnds got common from this zone in our aptitude test.But I didn?t get common.So,I had to solve those on the spot.

PERSONAL INTERVIEW:

Result of Aptitude Test was published at 2.45pm.Then I hd to wait a long time to get my call for interview.It was 10.45pm,I was called for my personal interview.I was so tired then.But I was still smiling. At first there were three persons in my panel. But at the end of my intrvw that number became five. But all of them were very friendly?..

Person3: Ur name is Prithwish?My boss?s name is Prithwish. Its a sweet name.

Me: Thank u sir. (Then he said,plz take ur seat.I said Thank u,sir.and then said Good evening sir??.)

Person3: Why there is a dffrnce in ur percentages in 10th and 12th (seeing my C.V)?(Very imprsd with my 10th percentage.)

Me: Answered properly with clear analysis.

Person3: Share ur project experience with us.(Both postv and ngtv).

Me: Shared all my xperiences.

Person3: What is ur favourite subject?

Me: C.

Person3: C is not a subject.And C is very common.(not imprsd).OK.Who is inventor of C?

Me: Answered???

Person3: Do u know what was the name of C at the time of invention?

Me: I knew it sir, but I can?t recall it right now. (B honest and smart.Dont try to pretend).

Person2: Why have u chosen IT as ur career option?

Me: I suggest everyone to prepare a convincing ans of this Q.I gave a very suitable ans.

Persons2 : Who is ur father?Where is he?

Me: Answered???

Person2: Who is ur mother?..

Me: Answered?..

Person2: How does IT help ur parents?

Me: Explained well?.

Person4: (He came suddenly and joined to my panel) U hv done a paper(Seeing my CV).I m very intrstd to knw abt ur paper.Pls share ur xprnce of paper presentation.

Me: Shared everything in detail regarding my xperience of paper presentation in Varanasi .?? (He was very imprssd..Appreciated me for achieving such a rare xperience.)

Person1: (He was busy with a form. After completing that one he started to ask me Qs) Why there is a dffrnce in ur percentages in 10th and 12th (seeing my C.V)?

Me: Gave same ans as previous?..

Person1: What?s ur class rank?

Me: TOP in 4th sem (As we hv registered in TCS upto 4th sem.Then our result of 5th sem was published.)???

Person1: So u r TOPPER in ur class?

Me: Yes sir (With a big smile.)

Person1: Then What's the rank in 5th sem ?

Me: 5th or 6th.

Person1: In 4th sem U ranked TOP and in 5th sem U ranked 5th.Why so?

Me: After 4th sem I was involved in my project and paper.So I had to spend most of the times with these works to finish them successfully.For this reason I couldn't concentrate fully in my semester subjects and that was why I ranked 5th and not TOP?(They laughed and they saw my certificate of paper presentation).

Person3: Which one is ur favourite subject in 5th sem?

Me: OOP concept with core JAVA.

Person3: What is OOP? Tell me any 4 features of OOPs..

Me: Defined OOP very well and told 4 features of OOP---1.ABSTRACTION, 2. ENCAPSULATION, 3. INHERITANCE and 4. POLYMORPHISM.

Person3: Just think I am a LAYMAN.I hv no idea abt OOPs. U hv to make me undrstd what is Polymorphism with proper example.

Me: Explained the concept of Polymorphism very well.(He was satisfied with my explanation and said I hv no Qs.)

Person4: What was ur rank in class 10th exam?

Me: 36th in WEST BENGAL. (Very impressed and asked me to show him my certificate of 10th .)

Person4: What r ur hobbies,Prithwish?

Me: Writing poems and Listening to music.

Person5: So if U r selected then we will get a poet.(All of them laughed.)

Person4: Hv u any proof of ur writing?

Me: Yes sir,(I have shown them our clg magazine ?CONFLUENCE? as one of my poems named ?RATRI? published over there.)

Person1: Your poem is abt night,why not abt day?And I think night is a ngtv thought,so (from this) can I conclude that u r a ngtv minded person???

Me: No sir,not at all.Bcz in this poem I hv tried to depict the various forms of night.And if u think postvly,night is a junction of 2 days.Night comes after ending of a day and before begining of a day.Night is basically a platform for starting of new dreams and aspirations.So it is a complete postv thought.Nothing is ngtv in it.(He was convinced and very impressd with my ans.His face was glowing with satisfaction.He said?I hv no Qs?)

Person4: Do u hv any query?

Me: Asked abt training session of TCS.

Person4: Explained ???R u mobile????????????????

Me: Yes sir,absolutely?

Person4: Ok,I hv no Qs.

Person2: Tell me any other subject which u prefer except C.

Me: ANALYSIS & DESIGN OF INFORMATION SYSTEM.

Person2: (Surprised to hear this sbjct as one of my favourite sbjct .) Is this ur favrt sbjct?

Me: Yes sir.

Person2: OK. Tell me what is SDLC?

Me: Explained very well?

Person2: What r the steps in SDLC????? Explain???

Me: Explained properly???(He was very impressed and satisfied with my Explanation and then said I hv no Qs..)

Me: Thnk u sir.

Person4: GOOD NIGHT,PRITHWISH?..

Me: Good night,sir???

It was 11.20pm..I was very satisfied with my performance?...Our result was published on 3rd March,2008(After 3 days of INTRVW)..I was very happy to see my name in the list of the selected candidates?Lastly I want to say one thing---It is like a one day game.Getting a job is a magic of GOD, needs a support of ur LUCK.

Things to remember:

1. Be cool and confident.
2. Be optimistic.
3. Basic concepts of every topic should b very clear.
4. Whatever the terms u will use in ur intrvw u should hv full cnfdnt on it.
5. Answers should be compact and relevant. Never try to pretend. Be smart and honest.

TCS PAPER ON 28th FEBRUARY AT RADAUR

Hi, I am Sakshi Kohli from JMIT, Radaur (3rd yr Instrumentation & Control).TCS visited our campus on 28-29 feb 2008.I wud like 2 share my experience wid u.There were around 450 students out of which 57 were selected . 290 had cleared the written test by

God's grace I was one them. There are four rounds :

1.WRITTEN TEST-

This was an online test 90 questions ,90 minutes. The test comprised of three sections in the online test you have to go in serial order for three sections. Within the section you may revert back to any question within that section. Time is limited for each section.

SECTION A – verbal section 32 questions,20 minutes. 10 antonyms 10 synonyms, 1 sentence completion , 1 read comprehension . it is very difficult to manage time in this section. Prepare GRE barrons high frequency word list (330 words) for this section from 12th addition.Also words given in five model test papers you may not be able to score much in this section .

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SECTION B- Quantitative aptitude

Q-1 In a two dimensional array $X(9,7)$ with each element occupying 8 bytes of memory with the first element $X(1,1)$ at 3000. find address of $X(8,5)$? (ans:

$X(m,n)=X(9,7);(i,j)=(8,5)$ FORMULA $((n*(i-1)-j-1) * \text{memory bytes}) + \text{base address}$
where base address is 3000 memory bytes=8)

Q-2 A long word may be given such as ORGANISATIONAL u hv 2 interchange d 1st and 2nd,3rd and 4th,5th and sixth words so on.what will be d 9th or 10th word from d right?

Q-3 Largest prime no in 8-bit memory.

Q-4 Select the odd one out a. SMTP b. WAP c. SAP d. ARP ANS: SAP (rest of dem are protocols).

Q-5 The size of a program is N. And the memory occupied by the program is given by $M = \sqrt{4000N}$. If the size of the program is increased by 1% then how much memory now occupied? (ans : 0.5%)

Q-6 simple questions on time and work.like A and B can do a work in x days.A can do it in y days.In how many days will B do it?'or'if A works for z days in how many days will B finish the remaining work?

Q-7 simple questions on number systems.like In which of the system, decimal number 194 is equal to 1234? ANS:5

Q-8 Find the value of the 678 to the base 7. ANS:1656

Q-9 Number of faces, vertices and edges of a cube ANS:6,8,12

Q-10 A question like $\frac{x}{y} + \frac{y}{x}$.where x and y may be some values stands for change in sign ,# stands for reciprocal.find d value for d above expression.

Q-11 Find the result of the following _expression if, M modulus operation(remainder), R denotes round-off, T denotes truncation(to shorten):

$M(373,5)+R(3.4)+T(7.7)+R(5.8)$ ANS:19

Q-12 $G(0)=-1, G(1)=1, G(N)=G(N-1) - G(N-2), G(5)= ?$ ANS:-2

Q-13 Coding –decoding (2 questions) practice these 4m verbal, non-verbal.

Q-14 A power unit is there by the bank of the river of 750 meters width. A cable is made from power unit to power a plant opposite to that of the river and 3000mts away from the power unit. The cost of the cable below water is Rs. 15/- per meter and cost of cable on the bank is Rs.12/- per meter. Find the total of laying the cable. (ans: 38250)

Q-15 Which of the following are orthogonal pairs? a. $7i+6j$ b. $i+j$ c. $6i-7j$ d. $-7i+j$ ANS: (A)& (C).

Q-16 temperature varies according to $-t^2/2 + 8t + 3$, where t is elapsed time. Find how much temperature more or less in 3pm to 6pm.

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Q-17 A, B and C are the mechanisms used separately to reduce the wastage of fuel by 30%, 20% and 40%. What will be the fuel economy if they were used combined.

Q-18 Power of 3 options will be given.

Q-19 A, B and C are 8 bit no's. They are as follows:

A 1 1 0 1 1 0 1 1

B 0 1 1 1 1 0 1 0

C 0 1 1 0 1 1 0 1

Find $((A-B) \cup C) = ?$ (ans: 1st find 2's complement of B add it to A. now perform OR operation of result with C).

Q-20 A is thrice as efficient as B. A and B can do a work in x days. In how many days will B alone do it?

Q-21 Which of the following are possible sides of a triangle: (a) (3,3,3) (b) (4,5,9) (c) (3,5,7) (d) (9,7,8)? (ans: sum of smaller 2 sides is greater than the other one which is larger).

Q-22 Find the singularity matrix from a given set of matrices? (ans: determinant(A)=0)

Q-23 My flight takes off at 2am from a place at 18N 10E and landed 10 Hrs later at a place with coordinates 36N 70W. What is the local time when my plane landed?

6:00 am b) 6:40am c) 7:40 d) 7:00 e) 8:00. (I got a question similar to this for which I got ans 5.40).

Q-24 standard deviation: which of the following has highest standard deviation: (a)

0,5,5,0,5,5 (b) 5,5,5,5,5,5 (c) 5,-5,5,-5,5,-5 (d) 0,5,0,5,0,5 (ans: (c))

Q-25 A curve is given u hv to identify which curve is it : $\tan x$, $y = \log x$ curves.

Q-26 On units like (momentum * velocity) / (force * time). something like dis my ans I got was velocity.

Q-27 The size of the bucket is N kb. The bucket fills at the rate of 0.1 kb per millisecond.

A programmer sends a program to receiver. There it waits for 10 milliseconds. And response will be back to programmer in 20 milliseconds. How much time the program takes to get a response back to the programmer, after it is sent? (ans: 30 milliseconds)

Q-28 A file is transferred from one location to another in 'buckets'. The size of the bucket is 10 kilobytes. Each bucket gets filled at the rate of 0.0001 kilobytes per millisecond.

The transmission time from sender to receiver is 10 milliseconds per bucket. After the receipt of the bucket the receiver sends an acknowledgement that reaches sender in 100 milliseconds.

Assuming no error during transmission, write a formula to calculate the time taken in seconds to successfully complete the transfer of a file of size N kilobytes.

(ans: $(n/1000) * (n/10) * 10 + (n/100)$). May be dis is ans u can mug it up. i cud not write dis ans dere).

Q-29 If $\log 0.317 = 0.3332$ and $\log 0.318 = 0.3364$ then find $\log 0.319$?

Sol) $\log 0.317 = 0.3332$ and $\log 0.318 = 0.3364$, then

$\log 0.319 = \log 0.318 + (\log(0.318 - 0.317)) = 0.3396$. (a question matching to this . not same dis is just an idea).

Q-30 A box of 150 packets consists of 1kg packets and 2kg packets. Total weight of box is 264kg or 260 kg. How many 2kg packets are there ? (ans: 114 for 264 and 40 for 260).

Q-31 Three companies working independently receive the savings of 20%, 30%, 40%. if the companies work in combine, what will be their net savings? (ans: suppose total income of each company be 100,

Amount for x: 80 (100-20); y: 70 ; z: 60

$x+y+z=210$.total income for 3 companies =300.so, $300-210=90$.

$(90*100)/300=30\%$.)

Q-32 With $4/5$ full tank vehicle travels 12 miles, with $1/3$ full tank how much distance travels?(ans: $4/5$ full tank= 12 mile

1 full tank= $12/(4/5)$

$1/3$ full tank= $12/(4/5)*(1/3)= 5$ miles)

Q-33 Wind blows 160 miles in 330min.for 80 miles how much time required

(ans: 160 miles= 330 min

1 mile = $330/160$

80 miles= $(330*80)/160=165$ min).

Q-33 A person was fined for exceeding the speed limit by 10mph.another person was also fined for exceeding the same speed limit by twice the same if the second person was travelling at a speed of 35 mph. find the speed limit?(ans: 15mph)

Q-34 A sales person multiplied a number and get the answer is 3 instead of that number divided by 3. what is the answer he actually has to get? (ans: $1/3$).

Q-35 In $8*8$ chess board what is the total number of squares? (ans:204)

Q-35 what is d number of zeroes at d end of product of numbers from 1 to 100? (ans:24)

Q-36 Gavaskar's average in 1st 50 innings was 50.after the 51st innngs his average was 51.How many runs did he score in 51st innings?(ans: $(x_1 +x_2+....+x_{50})/50 =50$;

$(x_1+x_2+.....+x_{50}+x_{51})/51= 51$; $(x_1+x_2+.....+x_{50})=2500$

$(x_1+x_2++x_{51})=2601$; $x_{51}=2601-2500;x_{51}=101$).

Q-37 Question like how many B's are followed by F's dat are not followed by U. series like: A B F U S A B F F D B F F F G B F U D B F C

Q-38 match d following :

(a) ----- 1.a type of

(b) ----- 2. a part of

(c) bug-reptile 3.not atype of

(d) ----- 4. a superset of

Q-39 Question on venn diagram wid 3 sub-parts.like English, Bengali,Hindi....

Q-40 question on data interpretation (bar graph) 3 sub-parts.simple

This section is very simple if u hv prepared previous papers properly.These are available on dis site.Almost all questions are 4m previous papers.The figures may be changed.Do data interpretation 4m r.s.aggarwal (quant), venn diagrams 4m r.s.aggarwal (verbal, non-verbal).

SECTION C-CRITICAL REASONING

Prepare all 5 model test papers 4m GRE-Barrons (strictly 12th edition) critical reasoning part.Questions are cut, copy,paste 4m dere.prepare dis part very well.its MUST.

NOTE: WITHOUT GRE-BARRONS (12th EDITION) ITS VERY VERY DIFFICULT TO CLEAR THE WRITTEN TEST.

2.TECHNICAL (T.R.):To I&C students its my suggestion prepare atleast 1 subject really well.I prepared micro processors.They asked me to explain 8085 block diagram and also

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abt programming while performing practicals. Prepare C and C++ as per ur resume.they asked me differences between C and C++. Also I was asked to write a program on factorial.

3.H.R.:Here situations were given to me like on customer satisfaction.Basically they are checking ur confidence.why TCS ? why TCS should hire you? Strengths, weakness.

FEW POINTS:

1. Prepare ur resume wid utmost care.
2. Refer to papers on this site .These are really very beneficial.
3. Greet them well when u go for inter-view.
4. Keep smiling.
5. Eye-contact is very important.
6. Do not argue.Remember they know much more than u do.Be polite.
7. They will be very nice and will try keep u calm.
8. Do not give excuses.just BE CONFIDENT when u answer.Confidence is most important .Also be careful wid ur mobile phones.TCS looks 4 discipline.

TCS PAPER

Guys....do the all the qstins given below.....u will get 80% common from these...all of we got....TCS always repeat same qstins...Just do these first..... It is proved by everyone that..these qstins are repeated in each year...

QUANTITATIVE APTITUDE SECTION

1. Two pencils costs 8 cents, then 5 pencils cost how much

Sol: 2 pencils è 8 cents => 1 pencil è 4 cents

Therefore 5 pencils cost = $5 * 4 = 20$ cents

2. A work is done by two people in 24 min. one of them can do this work a lonely in 40 min. how much time required to do the same work for the second person.

Sol: (A+B) can do the work in = $1/24$ min.

A alone can do the same work in = $1/40$ min.

B alone can do the same work in = (A+B)'s – A's = $1/24 - 1/40 = 1/60$

Therefore, b can do the same work in = 60 min

3. A car is filled with four and half gallons of oil for full round trip. Fuel is taken 1/4 gallon more in going than coming. What is the fuel consumed in coming up?

Sol Before the trip, car is filled with = 4 1/2 gallon of oil

Let 'X' be the quantity of fuel consumed for the trip in one direction

The fuel consumed while going = $X + \frac{1}{4}$

The fuel consumed while coming = X

Therefore, the fuel consumed for the trip = $(X + \frac{1}{4}) + X = 4 \frac{1}{2}$

$\delta 2X + \frac{1}{4} = 4 \frac{1}{2} \Rightarrow 2X = 4 \frac{1}{2} - \frac{1}{4} \Rightarrow 2X = 4 \frac{1}{4} \Rightarrow X = 2$. approx

Therefore the fuel consumed while coming = 2 gallon

4. Low temperature at the night in a city is 1/3 more than 1/2 high as higher temperature in a day. Sum of the low temperature and highest temp. is 100 degrees. Then what is the low temp?

Sol: 40 deg.

5. A person, who decided to go to weekend trip should not exceed 8 hours driving in a day. Average speed of forward journey is 40 m/h. Due to traffic in Sundays, the return journey average speed is 30 m/h. How far he can select a picnic spot?

a) 120 miles

b) Between 120 and 140 miles

c) 160 miles

Answer: 120 miles

6. A salesperson multiplied a number and got the answer 3, instead of that number divided by 3. What is the answer he actually has to get?

Sol: $(\frac{1}{3}) * 1 * 3 = 3$, so number = 1

Divided by 3

Answer: 1/3.

7. A ship started from port and moving with I miles per hour and another ship started from L and moving with H miles per hour. At which place these two ships meet?

|----|----|----|----|----|----|

port G H I J K L

Sol: Answer is between I and J and close to J or $(L * I * H) / (H + I)$

8. A building with height D shadow up to G. A neighbor building with what height shadows C feet.

|----|----|----|----|----|----|

A B C D E F G H

Sol: B Ft. or CD/G

9. A person was fined for exceeding the speed limit by 10mph. Another person was also fined for exceeding the same speed limit by twice the same. If the second person was traveling at a speed of 35 mph, find the speed limit.

Sol: Let 'x' be the speed limit

Person 'A' was fined for exceeding the speed limit by = 10mph

Person 'B' was fined for exceeding the speed limit by = twice of 'A'

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$$= 2 * 10 \text{mph} = 20 \text{mph}$$

given that the second person was traveling at the speed of 35mph => $35 \text{mph} - 20 \text{mph} = 15 \text{mph}$

Therefore the speed limit is =15 mph

10. A bus started from bus stand at 8.00am, and after 30 minutes staying at destination, it returned back to the bus stand. The destination is 27 miles from the bus stand. The speed of the bus is 18mph. In return journey bus travels with 50% fast speed. At what time it returns to the bus stand?

Sol: 11.00am

11. In a mixture, R is 2 parts S is 1 part. In order to make S to 25% of the mixture, how much r is to be added?

Sol: One Part

12. Wind flows 160 miles in 330 min, for 80 miles how much time required.

Sol:

13. With 4/5 full tank vehicle travels 12 miles, with 1/3 full tank how much distance travels

Sol: (5 miles)

14. Two trees are there. One grows at 3/5 of the other in 4 years, total growth of trees is 8 ft. what growth will smaller tree will have in 2 years

Sol: (< 2 ft.)

15. A storm will move with a velocity of towards the center in hours, at the same rate how much far will it move in hrs.

Sol: (but the answer is $8/3$ or $2 \frac{2}{3}$)

1. In a two-dimensional array, X (9, 7), with each element occupying 4 bytes of memory, with the address of the first element X (1, 1) is 3000; find the address of X (8, 5).

Ans: 3212

2. In the word ORGANISATIONAL, if the first and second, third and forth, forth and fifth, fifth and sixth words are interchanged up to the last letter, what would be the tenth letter from right?

Ans:I

3. What is the largest prime number that can be stored in an 8-bit memory? Ans : 251

4. Select the odd one out.a. Java b. Lisp c. Smalltalk d. Eiffel.

5. Select the odd one out a. SMTP b. WAP c. SAP d. ARP

6. Select the odd one out a. Oracle b. Linux c. Ingress d. DB2

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7. Select the odd one out a. WAP b. HTTP c. BAAN d. ARP
8. Select the odd one out a. LINUX b. UNIX c. SOLARIS d. SQL SEVER
9. Select the odd one out a. SQL b. DB2 c. SYBASE d. HTTP
10. The size of a program is N. And the memory occupied by the program is given by $M = \text{square root of } 100N$. If the size of the program is increased by 1% then how much memory now occupied?
Ans: $0.5\%(\text{SQRT } 101N)$
11. A man, a woman, and a child can do a piece of work in 6 days. Man only can do it in 24 days. Woman can do it in 16 days and in how many days child can do the same work?
Ans: 16
12. In which of the system, decimal number 184 is equal to 1234?
Ans: 5
13. Find the value of the 678 to the base-7.
Ans: 1656
14. Number of faces, vertices and edges of a cube
Ans: 6 8 12
15. Complete the series 2, 7, 24, 77, ___
Ans: 238
16. Find the value of $@@+25-++@16$, where @ denotes "square" and + denotes "square root".
Ans: 621
17. Find the result of the following expression if, M denotes modulus operation, R denotes round-off, T denotes truncation: $M(373,5)+R(3.4)+T(7.7)+R(5.8)$
Ans:19
18. If TAFJHH is coded as RBEKGI then RBDJK can be coded as?
Ans: qckj
19. $G(0) = -1, G(1) = 1, G(N) = G(N-1) - G(N-2), G(5) = ?$
Ans: - 2
20. What is the max possible 3 digit prime number?
Ans: 997
21. A power unit is there by the bank of the river of 750 meters width. A cable is made from power unit to power plant opposite to that of the river and 1500mts away from the

power unit. The cost of the cable below water is Rs.15/- per meter and cost of cable on the bank is Rs.12/-per meter. Find the total of laying the cable.

Ans : 1000 (24725-cost)

22. The size of a program is N. And the memory occupied by the program is given by $M = \sqrt{100N}$. If the size of the program is increased by 1% then how much memory now occupied?

Ans:0.5%(SQRT 101N)

23. In Madras , temperature at noon varies according to $-t^2/2 + 8t + 3$, where t is elapsed time. Find how much temperature more or less in 4pm to 9pm.

Ans: At 9pm 7.5 more

24. The size of the bucket is N kb. The bucket fills at the rate of 0.1 kb per millisecond. A programmer sends a program to receiver. There it waits for 10 milliseconds. And response will be back to programmer in 20 milliseconds. How much time the program takes to get a response back to the programmer, after it is sent?

Ans: 30

25. A man, a woman, and a child can do a piece of work in 6 days. Man only can do it in 24 days. Woman can do it in 16 days and in how many days child can do the same work?

Ans: 16

26. If the vertex (5,7) is placed in the memory. First vertex (1,1) 's address is 1245 and then address of (5,7) is -----

Ans: 1279

27. Which of the following are orthogonal pairs?

a. $3i+2j$ b. $i+j$ c. $2i-3j$ d. $-7i+j$

Ans: a, c

28. If VXUPLVH is written as SURMISE, what is SHDVD?

Ans: PEASE

29. If A, B and C are the mechanisms used separately to reduce the wastage of fuel by 30%, 20% and 10%. What will be the fuel economy if they were used combined.

Ans: 20%

30. What is the power of 2? a. 2068 b.2048 c.2668

31. Complete the series. 3, 8, --, 24, --, 48, 63. Ans: 15,35

32. Complete the series. 4, -5, 11, -14, 22, -- Ans: -27

33. A, B and C are 8 bit no's. They are as follows:

A -> 1 1 0 1 1 0 1 1

B -> 0 1 1 1 1 0 1 0

C -> 0 1 1 0 1 1 0 1

Find $((A-B) \cup C) = ?$ Hint: 109.... A-B is $\{A\} - \{A \cap B\}$

34. A Flight takes off at 2 A.M from northeast direction and travels for 11 hours to reach the destination, which is in northwest direction. Given the latitude and longitude of source and destination. Find the local time of destination when the flight reaches there?
Ans: 7 am

35. A can copy 50 papers in 10 hours while both A & B can copy 70 papers in 10 hours. Then for how many hours required for B to copy 26 papers?
Ans: 13

36. A is twice efficient than B. A and B can both work together to complete a work in 7 days. Then find in how many days, A alone can complete the work?
Ans: 10.5

37. A finish the work in 10 days. B is 60% efficient than A. So how many days do B takes to finish the work?
Ans :100/6

38. A finishes the work in 10 days & B in 8 days individually. If A works for only 6 days then how many days should B work to complete A's work?
Ans: 3.2 days

39. Given the length of the 3 sides of a triangle. Find the one that is impossible? (HINT: sum of smaller 2 sides is greater than the other one, which is larger)

40. Find the singularity matrix from a given set of matrices? (Hint $\det(A) \neq 0$)

41. A 2D array is declared as $A[9,7]$ and each element requires 2 byte. If A $[1,1]$ is stored in 3000. Find the memory of $A[8,5]$?
Ans: 3106

42. Sum of slopes of 2 perpendicular st.lines is given. Find the pair of lines from the given set of options, which satisfy the above condition?

43. (a) $2+3i$ (b) $1+i$ (c) $3-2i$ (d) $1-7i$.Find which of the above is orthogonal.
Ans : a,c

44. $(\text{Momentum} \cdot \text{Velocity}) / (\text{Acceleration} \cdot \text{distance})$. Find units.
Ans: mass

45. The number 362 in decimal system is given by $(1362)_x$ in the X System of numbers find the value of X a) 5 b) 6 c) 7 d) 8 e) 9

46. Given \$ means Tripling and % means change of sign then find the value of $\$ \% \$ 6 - \% \$ \% 6$

47. My flight takes off at 2am from a place at 18N 10E and landed 10 Hrs later at a place with coordinates 36N70W. What is the local time when my plane landed?

6:00 am b) 6:40am c) 7:40 d) 7:00 e) 8:00

(Hint: Every 1 deg longitude is equal to 4 minutes. If west to east add time else subtract time)

48. Find the highest prime number that can be stored in an 8 bit Computer?

49. Which of the following set of numbers has the highest Standard deviation?

a) 1,0,1,0,1,0 b) -1, -1, -1, -1, -1, -1

c) 1,1,1,1,1,1 d) 1,1,0, -1,0, -1

AGES

1) Last year pandit was thrice his sister's age. Next year he is only twice her age. After 5 years what is pandit's age.

a) 2 b) 12 c) 11 d) 14

ans: b

2) Jalia is twice older than qurban . If jalia was 4 years younger, qurban was 3 years older then diff. between their ages is 12 years

what is the sum of their ages a) 67 b) 57 c) 36 d) none

ans: b

3) Father's age is 5 times his son's age. 4 years back the father was 9 times older than son. Find the father's present age.

Ans. 40 years

4) Joe's father will be twice his age 6 years from now. His mother was twice his age 2 years before. If Joe will be 24 two years from now, what is the difference between his father's and mother's age? a) 4 b) 6 c) 8 d) 10

ALLIGATION

1). In a mixture, R is 2 parts, S is 1 part. In order to make S to 25% of the mixture, how much R is to be added?

AVERAGE

1) Gavaskar average in first 50 innings was 50 . after the 51st innings his average was 51 how many runs he made in the 51st innings

2) Hansie made the following amounts in seven games of cricket in India: Rs.10, Rs.15, Rs.21, Rs.12, Rs.18, Rs.19 and Rs.17(all figures in crores of course). Find his average earnings.

Ans. Rs.16 crore

3) Average of 5 number is -10 sum of 3 numbers is 16, what is the average of other two numbers?
answer -33

4) THREE COMPANIES WORKING INDEPENDENTLY AND GET SAVINGS 10%, 20%, 25%. IF THE COMPANIES WORK JUST OPPOSITE THEN WHAT WILL BE THE NET SAVING?

5) If A, B and C are the mechanisms used separately to reduce the wastage of fuel by 30%, 20% and 10%. What will be the fuel economy if they were used combined. Ans 20%

BOATS

1) If a man can swim downstream at 6kmph and upstream at 2kmph, his speed in still water is: a. 4kmph b. 2kmph c. 3kmph d. 2.5kmph

CAR

1) A car is filled with four and half gallons of oil for full round trip. Fuel is taken 1/4 gallon more in going than coming. What is the fuel consumed in coming up?

Sol Before the trip, car is filled with = $4 \frac{1}{2}$ gallon of oil

Let 'X' be the quantity of fuel consumed for the trip in one direction

The fuel consumed while going = $X + \frac{1}{4}$

The fuel consumed while coming = X

Therefore, the fuel consumed for the trip = $(X + \frac{1}{4}) + X = 4 \frac{1}{2}$

$\delta 2X + \frac{1}{4} = 4 \frac{1}{2} \Rightarrow 2X = 4 \frac{1}{2} - \frac{1}{4} \Rightarrow 2X = 4 \frac{1}{4} \Rightarrow X = 2$ gallons approx

CHAIN RULE

1) A can copy 50 papers in 10 hours while both A & B can copy 70 papers in 10 hours. Then for how many hours required for B to copy 26 papers? 13

CHESS BOARD

1) In 8*8 chess board what is the total number of squares refer odel ans:204

CODING

1) THERE IS A WORD 'PERLMENTASITION'.. IF 1ST AND 2ND ,3RD & 4TH WORDS ARE CHANGED AND SO ON, THEN FIND THE 14TH LETTER FROM RIGHT AFTER CHANGE.

2) If TAFJHH is coded as RBEKGI then RBDJK can be coded as -----
ans qcckj

3) a series of letters are given how many Ws r followed by F and preceded by T.
12.SURFW Code is translated as SHEET.....these kinda ques r there.....

4) Code Interchanging, A word is given.... Letters are reversed..u r asked to find the nth letter from right or left.... Eg. DESTABILIZATION Ans-T

5) BFGE CODED AS CEHD THEN CODE PVHJD
ANS: QUICK

6) FIND THE NO. OF Y FOLLOWED BY W BUT THAT IS NOT FOLLOWED BY Z.
Y W R U D D Y W Z

7) If VXUPLVH is written as SURMISE, what is SHDVD ?

Ans. PEASA (hint: in the first word, the alphabets of the jumbled one is three alphabets after the corresponding alphabet in the word SURMISE. S = V-3, similarly find the one for SHDVD)

8) If DDMUQZM is coded as CENTRAL then RBDJK can be coded as -----

Ans. QCEIL (hint: Write both the jumbled and the coded word as a table, find the relation between the corresponding words, i.e C= D-1, N=M+1 & so on

9) In the word ECONOMETRICS, if the first and second , third and forth ,forth and fifth, fifth and sixth words are interchanged up to the last letter, what would be the tenth letter from right?

Ans. word is CENOMOTEIRSC tenth word is R

10) If D_MUQZM is coded as CENTRAL then RBDJK can be coded as

11) In a certain format TUBUJPO is coded as STATION. The code of which string is FILTER?

12) What is the code formed by reversing the First and second letters, the third and fourth letters and so on of the string SIMULTANEOUSLY?

13) In the word ORGANISATIONAL, if the first and second, third and forth, forth and fifth, fifth and sixth words are interchanged up to the last letter, what would be the tenth letter from right?

ANS: I(ROANISATIONALG)

COST

1) A power unit is there by the bank of the river of 750 meters width. A cable is made from power unit to power a plant opposite to that of the river and 1500mts away from the

power unit. The cost of the cable below water is Rs. 15/- per meter and cost of cable on the bank is Rs.12/- per meter. Find the total of laying the cable.

Ans 1000 (24725 - cost) 20250 Ans. Rs. 22,500 (hint: the plant is on the other side of the plant i.e. it is not on the same side as the river)

2) The cost of one pencil, two pens and four erasers is Rs.22 while the cost of five pencils, four pens and two erasers is Rs.32.How much will three pencils, three pens and three erasers cost?

Ans. 27

3)2 oranges,3 bananas and 4 apples cost Rs.15 . 3 oranges 2 bananas 1 apple costs Rs 10. what is the cost of 3 oranges, 3 bananas and 3 apples

Ans Rs 15.

4) A shopkeeper bought a watch for Rs.400 and sold it for Rs.500.What is his profit percentage?

Ans. 25%

5) What percent of 60 is 12?

Ans. 20%

6)Three men goes to a hotel to stay ,the clerk says \$30 per room/day so all the three plans to stay in one room so each pays \$10.After some time the clerk realises that he made a mistake of collecting \$30 but the room cost only \$25,there fore he decides to return \$5 to them so he calls the roomboy and gives him \$5 asking him to return.The roomboy keeps \$2 with him and he returns only \$3(\$1 for each).Now Totally all have paid \$9 each(\$27)+rommboy \$2 which is equal to \$27.where did \$1 go,who has made the mistake?

7) two pencils cost 8 cents. then 5 pencils cost? (20 cents)

8)A box of 150 packets consists of 1kg packets and 2kg packets. Total weight of box is 264kg. How many 2kg packets are there

a) 96 b)67 c)100 d)114

ans:d

9)Which is more economical of the following

a)2kg -- 30/- b)8kg -- 160/- c)5kg -- 80/-

10)Satish earns 240 weekly.12% of big amount + earning weekly = 540 what is the big amount

a)3200 b)3600 c)2500 d)1000

ans: c

11) Bhanu spends 30% of his income on petrol on scooter. $\frac{1}{4}$ of the remaining on house rent and the balance on food. If he spends Rs.300 on petrol then what is the expenditure on house rent? a) Rs.525 b) Rs.1000 c) Rs.675 d) Rs.175

12) A sporting goods store ordered an equal number of white and yellow balls. The tennis ball company delivered 45 extra white balls, making the ratio of white balls to yellow balls $1/5 : 1/6$. How many white tennis balls did the store originally order for?

a) 450 b) 270 c) 225 d) None of these

13) There is a circular pizza with negligible thickness that is cut into 'x' pieces by 4 straight line cuts. What is the maximum and minimum value of 'x' respectively?

a) 12,6 b) 11,6 c) 12,5 d) 11,5

14) The total expense of a boarding house are partly fixed and partly variable with the number of boarders. The charge is Rs.70 per head when there are 25 boarders and Rs.60 when there are 50 boarders. Find the charge per head when there are 100 boarders.

a) 65 b) 55 c) 50 d) 45

COUNTERFEIT

1) in 80 coins one coin is counterfeit what is minimum number of weighings to find out counterfeit coin

CUBE

1) vertices edges and surfaces of a cube Ans-8,12,6

CURVES

1) STUDY THE NATURE OF THE CURVES $Y = \log X$, $XY = C$ etc

2) curve was given & in option equation was given, you have to mark the correct equation (curve and equation was of general $\log x$, e^x , $\sin x$, $\cos x$, $\tan x$, x curves)

3) values of x & $f(x)$ was given (like $x=1000$ & $f(x)=3$) and equations was given

4) WHICH SHAPE WILL BE OBTAINED BY USING THESE VALUES OF X, Y X Y

0 0.00001

10 1.02

100 1.72

1000 3.00

9999 4.72

4a) WHICH SHAPE WILL BE OBTAINED BY USING THESE VALUES OF X, Y XY

00.00001

101.02

1001.72
10003.00
99994.72

5) WHICH EQUATION THAT BEST SUITS THIS CURVE A LINE CUTS X AT -1 WHEN Y=0 AND X=0 WHEN Y=3 AND GOES UPWARD Y X

DATA INTERPRETATION

1) CORRECT CHART WITH CORRECT VALUES

X- YEAR Y- NO OF PERSONS

1. AVERAGE NO. OF PERSONS FROM 1995 – 1999

2. WHICH YEAR HAS LARGE DIFFERENCES IN NO OF PERSONS

3. IF 10% OF PEOPLE LEAVES THE OFFICE IN 1998 THEN, HOW MANY FRESH CANDIDATES CAN BE ADDED IN THE NEXT YEAR

2) Given a Bar Chart showing the sales of a company. (In Figure) The sales in years as shown in the figure are (in crores) 1998-1999 - 130, 1997-1998 - 90, 1996-1997 - 90, 1995-1996 - 70

1. The highest growth rate was for the year Ans. 1998-1999

2. The net increase in sales of the company in the year span of 1995-1999
Ans. 60 crores.

3. The lowest growth rate was for the year Ans. 1997

4. Year 95 96 97 98 99 Members 100 170 105 0

i) Which year has maximum members growth?

M 100

1

E

M 70

10

B 60

E 50

R Year

S 95 96 97 98

i) Which year has maximum members growth?

DEGREES

1) TIME DEGREE

27(deg) 6' 43.15"

45(deg) 31' 4.3"

THEN WHAT WILL BE THE DEGREE WHEN TIME IS 3 O'CLOCK

DIRECTIONS

1) A Flight takes off at 2 A.M from northeast direction and travels for 11 hours to reach the destination which is in north west direction. Given the latitude and longitude of source and destination. Find the local time of destination when the flight reaches there?
7 AM or 1.00 PM

2) My flight takes off at 2am from a place at 18N 10E and landed 10 Hrs later at a place with coordinates 36N70W. What is the local time when my plane landed.
a) 6:00 am b) 6:40am c) 7:40 d) 7:00 e) 8:00 (Hint : Every 1 deg longitude is equal to 4 minutes . If west to east add time else subtract time) Ans 8:00

3) A moves 3 kms east from his starting point . He then travels 5 kms north. From that point he moves 8 kms to the east. How far is A from his starting point?
Ans. 13 kms

4) Aeroplane is flying at a particular angle and latitude, after some time another latitude is given..(8 hrs later), u r asked to find the local time of the place.

5) AN AEROPLANE STARTS FROM A (SOME LATITUDE IS GIVEN ACCORDING TO PLACE) AT 2 AM LOCAL TIME TO B (SOME LATITUDE). TRAVELLING TIME IS 10 HOURS. WHAT IS THE LOCAL TIME OF B WHEN IT REACHES B

6) A plane moves from $9^{\circ}\text{N}40^{\circ}\text{E}$ to $9^{\circ}\text{N}40^{\circ}\text{W}$. If the plane starts at 10 am and takes 8 hours to reach the destination, find the local arrival time.

7) A FILE IS TRANSFERRED FROM A PLACE TO A DESTINATION CAPABLE OF 10 KB . THEY GIVEN SOME RATE OF TRANSFER. U HAVE FIND A EQUATION THAT BEST SUIT THIS.

FROG

1) In a well of 20 feet depth, a frog jumps 5 feet up in the morning and comes 4 feet down in the evening, on which day the frog gets out of the well.

GAMES

1) In some game 139 members have participated every time one fellow will get by what is the number of matches to choose the champion to be held?
ans: 138

2) A & B are playing a game . There are 8 oranges in a row on the table. one Player can take 1-4 oranges in a pick (a maximum of 4), one who picks the last orange wins the game. 'A' plays first How many oranges should he pick first time in order to win the game.

answer 3.

LCM

- 1) LCM of x and y is 36 and HCF of x and y is 4. If $x = 4$ then which of the following is definitely not true?
a) Y is divisible by 3 b) Y is divisible by 6 c) Y is divisible by 9 d) X+Y is divisible by

LOGARITHMS

- 1) $\log .342 = \dots$, $\log .343 = \dots$ then $\log .341 = \dots$ etc...
2) value of $\log 3.142$ & $\log 3.143$ was given and $\log 3.141$ was asked so you have to only see on answer and mark
3) If $\log 0.317 = \dots$ and $\log 0.318 = \dots$. Then find the value of $\log 0.319$.

TCS Placement paper

This test consists of 50 questions. The Set Code for this paper is D.

- The C language terminator is
 - semicolon
 - colon
 - period
 - exclamation mark
- What is false about the following -- A compound statement is
 - A set of simple statements
 - Demarcated on either side by curly brackets
 - Can be used in place of simple statement
 - A C function is not a compound statement.
- What is true about the following C Functions
 - Need not return any value
 - Should always return an integer
 - Should always return a float
 - Should always return more than one value
- Main must be written as

- (a) The first function in the program
- (b) Second function in the program
- (c) Last function in the program
- (d) Any where in the program

5. Which of the following about automatic variables within a function is correct ?

- (a) Its type must be declared before using the variable
- (b) They are local
- (c) They are not initialised to zero
- (d) They are global

6. Write one statement equivalent to the following two statements

```
x=sqr(a);  
return(x);
```

Choose from one of the alternatives

- (a) `return(sqr(a));`
- (b) `printf("sqr(a)");`
- (c) `return(a*a*a);`
- (d) `printf("%d",sqr(a));`

7. Which of the following about the C comments is incorrect ?

- (a) Comments can go over multiple lines
- (b) Comments can start any where in the line
- (c) A line can contain comments with out any language statements
- (d) Comments can occur within comments

8. What is the value of y in the following code?

```
x=7;  
y=0;  
if(x=6) y=7;  
else y=1;
```

- (a) 7
- (b) 0
- (c) 1
- (d) 6

9. Read the function conv() given below

```
conv(int t){  
int u;  
u=5/9 * (t-32);  
return(u);  
}
```

What is returned

- (a) 15
- (b) 0
- (c) 16.1
- (d) 29

10. Which of the following represents true statement either x is in the range of 10 and 50 or y is zero

- (a) $x \geq 10 \ \&\& \ x \leq 50 \ || \ y == 0$
- (b) $x < 50$
- (c) $y != 10 \ \&\& \ x \geq 50$
- (d) None of these

11. Which of the following is not an infinite loop ?

(a) `while(1){}`

(b) `for(;;)`
{
...
}

(c) `x=0;`
`do{`
`/*x unaltered within the loop*/`
`.....}`
`while(x == 0);`

(d) `# define TRUE 0`
...
`while(TRUE){`
`.....}`

12. What does the following function print?

```
func(int i)
{ if(i%2)return 0;
else return 1;}
main()
{
int =3;
i=func(i);
i=func(i);
printf("%d",i);
}
```

- (a) 3
- (b) 1
- (c) 0
- (d) 2

13. How does the C compiler interpret the following two statements

```
p=p+x;
q=q+y;
```

- (a) p=p+x;
q=q+y
- (b) p=p+xq=q+y
- (c) p=p+xq;
q=q+y
- (d) p=p+x/q=q+y

For questions 14,15,16,17 use the following alternatives

- a.int
- b.char
- c.string
- d.float

14. '9'

15. "1 e 02"

16. 10e05

17. 15

18. Read the following code

```
# define MAX 100
# define MIN 100
....
....
if(x>MAX)
x=1;
else if(x<MIN)
x=-1;
x=50;
if the initial value of x=200,what is the value after executing this code?
```

- (a) 200
- (b) 1
- (c) -1
- (d) 50

19. A memory of 20 bytes is allocated to a string declared as char *s then the following two statements are executed:
s="Entrance"
l=strlen(s);
what is the value of l ?

- (a)20
- (b)8
- (c)9
- (d)21

20. Given the piece of code

```
int a[50];
int *pa;
pa=a;
```

To access the 6th element of the array which of the following is incorrect?

- (a) *(a+5)
- (b) a[5]
- (c) pa[5]
- (d) *(*pa + 5}

21. Consider the following structure:

```
struct num nam {  
int no;  
char name[25];  
}
```

```
struct num nam n1[]={ {12,"Fred"}, {15,"Martin"}, {8,"Peter"}, {11,"Nicholas"} };  
.....  
.....
```

```
printf("%d%d",n1[2],no,(*(n1 + 2),no) + 1);
```

What does the above statement print?

- (a) 8,9
- (b) 9,9
- (c) 8,8
- (d) 8,unpredictable value

22. Identify the incorrect expression

- (a) a=b=3=4;
- (b) a=b=c=d=0;
- (c) float a=int b=3.5;
- (d) int a; float b; a=b=3.5;

23. Regarding the scope of the variables; identify the incorrect statement:

- (a) automatic variables are automatically initialised to 0
- (b) static variables are automatically initialised to 0
- (c) the address of a register variable is not accessible
- (d) static variables cannot be initialised with any expression

24. cond 1?cond 2?cond 3?:exp 1:exp 2:exp 3:exp 4;
is equivalent to which of the following?

- (a) if cond 1
exp 1;
else if cond 2
exp 2;
else if cond 3

```
exp 3;  
else exp 4;
```

```
(b) if cond 1  
if cond 2  
if cond 3  
exp 1;  
else exp 2;  
else exp 3;  
else exp 4;
```

```
(c) if cond 1 && cond 2 && cond 3  
exp 1 |exp 2|exp 3|exp 4;
```

```
(d) if cond 3  
exp 1;  
else if cond 2 exp 2;  
else if cond 3 exp 3;  
else exp 4;
```

25. The operator for exponencation is

- (a) **
- (b) ^
- (c) %
- (d) not available

26. Which of the following is invalid

- (a) a+=b
- (b) a*=b
- (c) a>>=b
- (d) a**=b

27. What is y value of the code if input x=10

```
y=5;  
if (x==10)  
else if(x==9)  
else y=8;
```

- (a)9
- (b)8
- (c)6
- (d)7

28. What does the following code do?

```
fn(int n,int p,int r){  
static int a=p;  
switch(n){  
case 4:a+=a*r;  
case 3:a+=a*r;  
case 2:a+=a*r;  
case 1:a+=a*r;}}
```

- (a)computes simple interest for one year
- (b)computes amount on compound interest for 1 to 4 years
- (c)computes simple interest for four year
- (d)computes compound interest for 1 year

29. a=0;
while(a<5)
printf("%d\n",a++);
How many times does the loop occurs?

- (a)infinite
- (b)5
- (c)4
- (d)6

30. How many times does the loop iterated ?

```
for (i=0;i=10;i+=2)  
printf("Hi\n");
```

- (a)10
- (b) 2
- (c) 5
- (d) None of these

31. What is incorrect among the following

A recursive function

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- (a) calls itself
- (b) is equivalent to a loop
- (c) has a termination condition
- (d) does not have a return value at all

32. Which of the following go out of the loop if expn 2 becoming false

- (a) while(expn 1)\{...if(expn 2)continue;}
- (b) while(!expn 1)\{if(expn 2)continue;...}
- (c) do{.if(expn 1)continue;..}while(expn 2);
- (d) while(!expn 2)\{if(expn 1)continue;..}

33. Consider the following program

```
main()
{unsigned int i=10;
while(i>=0){
printf("%u",i)
i--;}
}
```

How many times the loop will get executed

- (a)10
- (b)9
- (c)11
- (d)infinite

34.Pick out the add one out

- (a) malloc()
- (b) calloc()
- (c) free()
- (d) realloc()

35.Consider the following program

```
main(){
int a[5]={1,3,6,7,0};
int *b;
b=&a[2];
```

```
}
```

The value of b[-1] is

- (a) 1
- (b) 3
- (c) -6
- (d) none

```
36. # define prod(a,b)=a*b  
main(){  
int x=2;  
int y=3;  
printf("%d",prod(x+2,y-10)); }
```

the output of the program is

- (a) 8
- (b) 6
- (c) 7
- (d) None

37. Consider the following program segment

```
int n,sum=1;  
switch(n){  
case 2:sum=sum+2;  
case 3:sum*=2;  
break;  
default:sum=0;}
```

If n=2, what is the value of sum

- (a) 0
- (b) 6
- (c) 3
- (d) None of these

38. Identify the incorrect one

- 1. if(c=1)
- 2. if(c!=3)
- 3. if(a<b)then
- 4. if(c==1)

- (a) 1 only
- (b) 1&3
- (c) 3 only
- (d) All of the above

39. The format specified for hexa decimal is

- (a) %d
- (b) %o
- (c) %x
- (d) %u

40. Find the output of the following program

```
main(){  
int x=5, *p;  
p=&x  
printf("%d",++*p);  
}
```

- (a) 5
- (b) 6
- (c) 0
- (d) none of these

41. Consider the following C code

```
main(){  
int i=3,x;  
while(i>0){  
x=func(i);  
i--; }  
  
int func(int n){  
static sum=0;  
sum=sum+n;  
return(sum);} 
```

The final value of x is

- (a) 6
- (b) 8

- (c) 1
- (d) 3

43. Int *a[5] refers to

- (a) array of pointers
- (b) pointer to an array
- (c) pointer to a pointer
- (d) none of these

44. Which of the following statements is incorrect

(a) typedef struct new {
int n1;
char n2;
} DATA;

(b) typedef struct {
int n3;
char *n4;} ICE;

(c) typedef union { int n5;
float n6;} UDT;

(d) #typedef union {
int n7;
float n8;} TUDAT;

TCS Placement Paper

NOTE: EACH OF THE QUESTIONS GIVEN BELOW APPEAR AS MULTIPLE CHOICE QUESTIONS IN THE ACTUAL PAPER.

VERBAL SECTION

*Directions for questions 1-15: Find the **synonyms** of the following words*

1. Merry

Ans. Gay, Happy

2. Alienate

Ans. Estrange

3. Solicit

Ans. To request

4.Heap

Ans. To pile

5.Cargo

Ans. Freight

6.Momentary

Ans. Transient

7. Volume

Ans.Quantity

8.Veer

Ans.Diverge

9.Dispel

Ans.Dissipate

10.Admonish

Ans.Cautious

11.Meager

Ans.Scanty

12.Latitude

Ans.Scope

13.Latent

Ans.Potential

14.Covet

Ans.Crave

15.Discretion

Ans. Prudence

QUANTITATIVE SECTION

1. If two pencils cost 8 cents, then how much do 5 pencils cost?

Ans. 20 cents

2. Some work is done by two people in 24 minutes. One of them can do this work alone in 40 minutes. How much time does the second person take to do the same work ?

Ans. 60 minutes

3. A car is filled with four and half gallons of fuel for a round trip.If the amount of fuel taken while going is $\frac{1}{4}$ more than the amount taken for coming, what is the amount of fuel consumed while coming back?

Ans.2 gallons

4. The lowest temperature in the night in a city A is $\frac{1}{3}$ more than $\frac{1}{2}$ the highest during the day. Sum of the lowest temperature and the highest temperature is 100 degrees. Then what is the low temp?

Ans. 40 degrees

5. Javagal, who decided to go to weekend trip should not exceed 8 hours driving in a day. The average speed of forward journey is 40 miles/hr. Due to traffic on sundays, the return journey's average speed is 30 m/h. How far he can select a picnic spot?

- a) 120 miles
- b) between 120 and 140 miles
- c) 160 miles

Ans. 120 miles

6. A salesperson by mistake multiplied a number and got the answer as 3, instead of dividing the number by 3. What is the answer he should have actually got?

Ans. 3

7. A building with height D shadow upto G. What is the height of a neighbouring building with a shadow of C feet.

Ans. $(C \cdot D) / G$

8. A person was fined for exceeding the speed limit by 10 mph. Another person was also fined for exceeding the same speed limit by twice the same. If the second person was travelling at a speed of 35 mph, find the speed limit.

Ans. 15 mph

9. A bus started from bustand at 8.00am, and after staying for 30 minutes at a destination, it returned back to the busstand. The destination is 27 miles from the busstand. The speed of the bus is 18mph. During the return journey bus travels with 50% faster speed. At what time does it return to the busstand?

Ans. 11.00am

10. In a mixture, R is 2 parts and S is 1 part. In order to make S to 25% of the mixture, how much of R is to be added?

Ans. One part of R

11. Wind flows 160 miles in 330 min, for travelling 80 miles how much time does it require?

Ans. 2 hrs 45 mins

12. With a $\frac{4}{5}$ full tank a vehicle can travel 12 miles, how far can it travel with a $\frac{1}{3}$ full tank

Ans. 5 miles

13. There are two trees in a lawn. One grows at a rate $\frac{3}{5}$ of the other in 4 years. If the total growth of trees is 8 ft. What is the height of the smaller tree after 2 years

Ans. 1 $\frac{1}{2}$ feet

14. Refer to the figure below. A ship started from P and moves at a speed of I miles per hour and another ship starts from L and moving with H miles per hour simultaneously. Where do the two ships meet?

||---g---||---h---||---i---||---j---||---k---||---l---||

P G H I J K L are the various stops in between denoted by || . The values g, h, i, j, k, l denote the distance between the ports.

Ans. Between I and J, closer to J

15. If A is travelling at 72 km per hour on a highway. B is travelling at a speed of 25 meters per second on a highway. What is the difference in their speeds in m/sec.

Ans. 1 m/sec

CRITICAL REASONING SECTION

The critical reasoning section consists of some passages followed by 4 to 7 questions per passage. The questions are such that they require ability to read fast and comprehend. The questions asked in this section have three choices TRUE, FALSE, CAN'T SAY. Some examples of questions are given below. Please note that these passages are not the exact passages asked. The passages used a good deal of difficult words which have been removed in this reproduction. Also the passages appearing in the actual paper are much lengthier.

Directions: Answer the questions given below the passage or statement as true, false or can't say.

PASSAGE A: My father has no brothers. He has three sisters who has two childs each.

Answer 1-5 based on the passage A

1. My grandfather has two sons .

Ans. False

2. Three of my aunts have two sons

Ans. Can't say

3. My father is only child to his father

Ans. False

4. I have six cousins from my mother side

Ans. Can't say

5. I have one uncle

Ans. Can't say(uncle can be from the mother's side as well)

PASSAGE B: Ether injected into gallbladder to dissolve cholesterol based gallstones. This type one day treatment is enough for gallstones not for calcium stones. This method is alternative to surgery for millions of people who are suffering from this disease.

Answer questions 6-9 based on passage B

6. Calcium stones can be cured in one day

Ans. False

7. Hundreds of people contains calcium stones

Ans. Can't say

8. Surgery is the only treatment to calcium stones

Ans. True

9. Ether will be injected into the gallbladder to cure the cholesterol based gall stones

Ans. True

PASSAGE C: Hacking is illegal entry into another computer. This happens mostly because of lack of knowledge of computer networking. With networks one machine can access to another machine. Hacking goes about without knowing that each network is accredited to use network facility.

Answer questions 10-12 based on passage B

10. Hackers never break the code of the company which they work for

Ans. Can't say

11. Hacking is the only vulnerability of the computers for the usage of the data

Ans. False

12. Hacking is done mostly due to the lack of computer knowledge

Ans. False

PASSAGE C: Alpine tunnels are closed tunnels. In the past 30 yrs not even a single accident has been recorded for there is one accident in the rail road system. Even in case of a fire accident it is possible to shift the passengers into adjacent wagons and even the live fire can be detected and extinguished with in the duration of 30 min.

Answer questions 13-16 based on passage C

13. No accident can occur in the closed tunnels

Ans. True

14. Fire is allowed to live for 30 min

Ans. False

16. All the care that travel in the tunnels will be carried by rail shutters.

Ans. True

PASSAGE D: In the past helicopters were forced to ground or crash because of the formation of the ice on the rotors and engines. A new electronic device has been developed which can detect the watercontent in the atmosphere and warns the pilot if the temperature is below freezing temperature about the formation of the ice on the rotors and wings.

Answer questions 17-20 based on passage D

17. The electronic device can avoid formation of the ice on the wings

Ans. False

18. There will be the malfunction of rotor & engine because of formation of ice

Ans. True

19. The helicopters were to be crashed or grounded

Ans. True

20. There is only one device that warn about the formation of ice

Ans.True

PASSAGE E:In the survey conducted in mumbai out of 63 newly married house wives not a single house wife felt that the husbands should take equal part in the household work as they felt they loose their power over their husbands. Inspite of their careers they opt to do the kitchen work themselves after coming back to home. the wives get half as much leisure time as the husbands get at the week ends.

Answer questions 21-23 based on passage E

21.Housewives want the husbands to take part equally in the household

Ans.False

22. Wives have half as much leisure time as the husbands have

Ans. False

23. 39% of the men will work equally in the house in cleaning and washing

Ans. False

PASSAGE F:Copernicus is the intelligent. In the days of copernicus the transport and technology development was less & it took place weeks to communicate a message at that time,wherein we can send it through satellite with in no time.Even with this fast developments it has become difficult to understand each other.

Answer questions 24-27 based on passage F

24. People were not intelligent during Copernicus days

Ans.False

25. Transport facilities are very much improved in noe a days

Ans.Can't say

26. Even with the fast developments of the technology we can't live happily.

Ans. Can't say

27. We can understand the people very much with the development of communication

Ans. False.

PASSAGE G:Senior managers warned the workers that because of the introduction of Japanese industry in the car market. There is the threat to the workers.They also said that there will be the reduction in the purchase of the sales of car in public.the interest rates of the car will be increased with the loss in demand.

Answer questions 28-31 based on passage G

28. Japanese workers are taking over the jobs of Indian industry.

Ans.False

29.Managers said car interests will go down after seeing the raise in interest rates.

Ans.True

30. Japanese investments are ceasing to end in the car industry.

Ans. False

31. People are very interested to buy the cars.

Ans.False

PASSAGE H:In the totalitarian days,the words have very much devalued.In the present day,they are becoming domestic that is the words will be much more devalued. In

that days, the words will be very much effected in political area.but at present,the words came very cheap .We can say they come free at cost.

Answer questions 32-34 based on passage H

32.Totalitarian society words are devalued.

Ans.False

33. Totalitarians will have to come much about words

Ans.True

34. The art totalitatian society the words are used for the political speeches.

Ans. False

PASSAGE I:There should be copyright for all arts. The reele has came that all the arts has come under one copy right society,they were use the money that come from the arts for the developments . There may be a lot of money will come from the Tagore works. We have to ask the benifiters from Tagore work to help for the development of his works.

Answer questions 35-39 based on passage I

35. Tagore works are came under this copy right rule.

Ans. False

36. People are free to go to the public because of the copy right rule.

Ans.Can't say

38. People gives to theater and collect the money for development.

Ans.Can't say

39. We have ask the Tagore resedents to help for the developments of art.

Ans.Can't say

PYSCHOMETERIC TEST

You don't need to fret much about this test. This test consists of 150 questions and is just a psychology test which should be answered confidently and doesn't require any preparation. One must try being consistent while answering as the same questions are repeatedly asked in different forms. Also one must answer all questions. Questions are of yes, no or can't say kind.

1. Will you be interested in social activities.
2. While going upstairs do you move two steps at a time.
3. Can you make friends with people of the same sex or with opposite sex also
4. Your friends consider you as a leader in your group
5. People think that you're serious minded.
6. There are times you feel dull without any reason.
7. You host several parties
8. When relatives come to your house do you entertain them.
9. You can work for long hours without tiredness.
10. In your company you want to lead the organisation.

TCS Placement Paper

NOTE: EACH OF THE QUESTIONS GIVEN BELOW APPEAR AS MULTIPLE CHOICE QUESTIONS IN THE ACTUAL PAPER.

VERBAL SECTION

*Directions for questions 1-15: Find the **synonyms** of the following words*

1. Depreciation

Ans. Deflation, Depression, Devaluation, fall, slump in value

2. Deprecate

Ans. Feel and express disapproval of

3. Incentive

Ans. Thing one encourages a person to do something

4. Echelon

Ans. Level of authority or responsibility

5. Innovation

Ans. To make changes or introduce new things

6. Intermittant

Ans. Externally stopping and then starting

7. Detrimental

Ans. Harmful

8. Aberration

Ans. Deviation

9. Conciliation

Ans. To make less angry or more friendly

10. Orthodox

Ans. Conventional or superstitious

11. Fallible

Ans. Liable to err

12. Volatile

Ans. Ever changing

13. Manifestion

Ans. Clear or obvious

14. Connotation

Ans. Suggest in addition to the fundamental meaning

15. Reciprocal

Ans. Reverse, Opposite

QUANTITATIVE SECTION

1. There are 150 weights .Some are 1 kg weights and some are 2 kg weights. The sum of the weights is 260. What is the number of 1kg weights?

Ans. 40

2. A is driving on a highway when the police fines him for overspeeding and exceeding the limit by 10 km/hr. At the same time B is fined for overspeeding by twice the amount by which A exceeded the limit. If he was driving at 35 km/hr what is the speed limit for the road?

Ans. 15 kmph

3. A moves 3 kms east from his starting point . He then travels 5 kms north. From that point he moves 8 kms to the east.How far is A from his starting point?

Ans. 13 kms

4. A car travels 12 kms with a $\frac{4}{5}$ th filled tank.How far will the car travel with $\frac{1}{3}$ filled tank?

Ans. 5 kms

5. The sum of the digits of a two digit number is 8. When 18 is added to the number, the digits are reversed. Find the number?

Ans. 35

6. The cost of one pencil, two pens and four erasers is Rs.22 while the cost of five pencils, four pens and two erasers is Rs.32.How much will three pencils, three pens and three erasers cost?

Ans. 27

7. Fathers age is 5 times his son's age. 4 years back the father was 9 times older than son.Find the fathers' present age.

Ans. 40 years

8. What number should be added to or subtracted from each term of the ratio 17 : 24 so that it becomes equal to 1 : 2.

Ans. 10 should be subtracted

9. What is the 12th term of the series 2, 5, 8,

Ans. 35

10. If 20 men take 15 days to to complete a job, in how many days can 25 men finish that work?

Ans. 12 days

11. In a fraction, if 1 is added to both the numerator at the denominator, the fraction becomes $\frac{1}{2}$. If numerator is subtracted from the denominator, the fraction becomes $\frac{3}{4}$. Find the fraction.

Ans. $\frac{3}{7}$

12. If Rs.1260 is divided between between A, B and C in the ratio 2:3:4, what is C's share?

Ans. Rs. 560

13. A shopkeeper bought a watch for Rs.400 and sold it for Rs.500.What is his profit percentage?

Ans. 25%

14. What percent of 60 is 12?

Ans. 20%

15. Hansie made the following amounts in seven games of cricket in India: Rs.10, Rs.15, Rs.21, Rs.12, Rs.18, Rs.19 and Rs.17(all figures in crores of course).Find his average earnings.

Ans. Rs.16 crore

CRITICAL REASONING SECTION

This section is basically just a reading comprehension section.The critical reasoning section consists of some passages followed by 4 to 7 questions per passage.The questions are such that they require ability to read fast and comprehend.The questions asked in this section have three choices TRUE, FALSE, CAN'T SAY.Some examples of passages are given in test 1.For further practice you may go through any GRE or CAT book which will provide you with ample practice regarding these kinds of questions.

PYSCHOMETERIC TEST

This test consists of 150 questions and is just a pyshcology test which should be answered confidently and doesn't require any preparation. One must try being consistent while answering as the same questions are repeatedly asked in different forms. Also one must answer all questions. Questions are of yes or no kind.

example:

Are you sincere?

If you find a purse in the market with loads of money would you return it to the rightful owner?

While climbing up the stairs do you take two steps at a time?

Do you drink and smoke more than you think you should?

Are you the life of the party you attend?

Are you shy?

TCS Placement Papers 2006

TCS-Placement Paper-24 July 2006-Ranchi

In BIT MESRA, TCS came on 24th July 2006. They conducted online exam for some and paper exam for others by randomly selecting of us. Now we r having our interview on 31th july and 1st aug. In between we r having microsoft oracle tvs, maruti etc.

Written:-

Verbal: 20 min

Comprehension

14th edition:- like her white friends(page no :- 106)

for comprehensive it is better 2 learn or go through all the passage of the comprehensive part. 14th edition page no 97 to 113

fill in the blank

set y:-observe the dilemma of fungus of the comprehensive part

set z:- some university problem.

Antonyms

Comply

Cavil

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Repugnance
Desultory
Assuage
Vouchsafe
Protract
Reville

Reasoning: 30 min

Verbal :-

All words i.e. synonyms(10) was from gre model test paper and antonym exercise. so verbal section was very easy for me

Aptitude:-

Nothing new all the questions was from previous paper some of those r as:--

1. the bit operation question was given

A 10010010

B 01110010

C 10100010

Find $A \cup (B \cap C)$, $(A - B) \cup C$ all value were in decimal value?

2. find odd one out:-1. Sybase 2.DB2 3.Oracle 4.Unix

3. 5 quest. Was based on DI

7. What is the largest prime number that can be stored in an 8-bit

8. Base of 1234 which is 194 in decimal.

9. $g(0)=1$ $g(1)= -1$ $g(n)=3*g(n-1)-2*g(n-2)$ find $g(4)$

10. one coding was given

11. one number series has to fill

12. The size of a program is N. And the memory occupied by the program is given by $M = \text{square root of } 4000N$. If the size of the program is increased by 1% then how much memory now occupied?

13. In calcutta, temperature at noon varies according to $t^2/6 + 12t + 12$, where t is elapsed time from noon.Find how much temperature more or less in 3pm to 6pm.

14. A 2D array is declared as $A[9,7]$ and column wise each element requires 8 byte. If $A[1,1]$ is stored in 1200. Find the memory of $A[8,5]$?

(Note:- all set contain column wise)

15. 3 Venn - diagram was given related to bangla ,Punjabi,&gujarati questions were asked
Ans, 17.4, 1, 6
21. recognize the equation of curve related to $\cos x$ and $\sin x$ curve
22. Number of faces, vertices and edges of a cube 6 8 12
23. A and B do a work in 7 days. If A does double as B the how many days take A to do?
24. find the result of the following expression if , M denotes modulus operation, R denotes round-off, T denotes truncations $M(363,5)+R(5.8) +T(7,7)-R(3.8)$
25. The size of the bucket is 10kb. The bucket fills at the rate of 0.0001 kb per millisecond to fill bucket it takes 100 millisecond to reach to destination.it takes 100 millisecond to passack so calc. how much time will it take to pass n kb write formula(I don't know the exact figure)
26. Which of the following are orthogonal pairs a) $2x+3y=6$ b) $2x+5y=0$ c) $2y=3x+6$ d) $7x+y=4$
27. If A, B, C are the mechanisms used separately to reduce the wastage of fuel by 25%, 20%, 10%. What will be the fuel economy if they were used combine? Ans :-46
28. WHICH SHAPE WILL BE OBTAINED BY USING THESE VALUES OF X ,Y
X Y
0 0.00001
10 1.02
100 1.72
1000 3.00
9999 4.72
Ans: $Y = \log_{10}(X)$
29. Find the value of $\langle @ \langle 4 - \langle @ 4$, where \langle denotes "square" and $@$ denotes "change in sign".
30. What is the power of 2? a. 2068 b.2048 c.2668 ANS: (B). 2048
31. My flight takes of at 2am from a place at 18N 45E and landed 9 Hrs later at a place with coordinates 36N45W. What is the local time when my plane landed.
32. A power unit is there by the bank of the river of 900 meters width. A cable is made from power unit to Power a plant opposite to that of the river and 3000mts away from the power unit. The cost of the cable below water is Rs. 5/- per meter and cost of cable on the bank is Rs.2/- per meter. Find the length where the cable is to be cut. ANS: 2100m

33. Find the singularity matrix from a given set of matrices?

34. Which of the following set of numbers has the highest Standard deviation?

5,0,5,0,5,0

-5,-5,-5,-5,-5,-5.

5,0,5,0,5,0

-5,5,-5,5,-5,5

35. Match the following:

1. Mammal, cow ---> a. A type of

2. Snake reptile ---> b. A part of

3. Roof - Building ---> c. Not a type of

4. Mushroom - Vegetables ---> d. A superset of

36. a, b, c can do a work in 4 days. if a does twice as much as work in 12 and b can work in 18 in how many days c can do?

37. b g b d q m b g d m g b g g b q m b g q b g

d g b a m g b g m

How many b 's are such that each b is followed by g next to it, if the g is not followed by d next to it.

Reasoning:-

1. model test 3-section 6 Quest 1-4

2. model test 1- tunnel-bridge- highway problem

3. model test 1- red and brown problem

All the reasoning was from GRE sets

TCS-Placement Paper-21July 2006-Bangalore

AT BMS COLLEGE OF ENGG. BANGALORE

The best way to get placed in TCS is go through d old Q'papers for aptitude & for verbal & reasoning go through GRE barrons also.....

Here is what i gotin aptitude....

1] If TAFJHH is coded as RBKGI then RBDJK can be coded as

1. X qccjk

2. ? qcjkc

3. :-) qcckj

4. X qkjcc

2]If VXUPLVH is written as SURMISE, what is SHDVD ?

1. ? PSEAE

2. X PEASE

3. ? PESAE

3]In the word ORGANISATIONAL, if the first and second, third and forth, forth and fifth, fifth and sixth words are interchanged up to the last letter, what would be the tenth letter from right?

1. X G

2. X L

3. :-) I

4. ? O

4]A power unit is there by the bank of the river of 750 meters width. A cable is made from power unit to power a plant opposite to that of the river and 1500mts away from the power unit. The cost of the cable below water is Rs. 15/- per meter and cost of cable on the bank is Rs.12/- per meter. Find the total of laying the cable. Ans 1000 (24725 - cost) 20250

1. X Rs. 22,000

2. :-) Rs. 22,500

3. ? Rs. 22,555

4. ? Rs. 22,222

5].If $g(0)=g(1)=1$

And $g(n)=g(n-1)+g(n-2)$ find $g(6)$;

6]A plane moves from $9^{\circ}N40^{\circ}E$ to $9^{\circ}N40^{\circ}W$. If the plane starts at 10 am and takes 8 hours to reach the destination, find the local arrival time.

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7] A plane moves from $9^{\circ}N40^{\circ}E$ to $9^{\circ}N40^{\circ}W$. If the plane starts at 10 am and takes 8 hours to reach the destination, find the local arrival time?

8] Given \$ means Tripling and % means change of sign then, find the value of $\$ \% \$ 6 - \% \$ \% 6$

9] $\text{modulo}(373,7) + \text{round}(5.8) + \text{truncat}(7.2) - \text{round}(3.4) = ?$

10] The matrix of $a(7,9)$ was given. The address of the first byte of $a(1,1) = 3000$. It takes 4 bytes to store the number. Then calculate the address of the last byte of $a(5,8)$.

11] They asked the temperature problem. It was same as previous papers. The ratio was $t^2/6 + 4t + 12$. It is like if t is the diff in temp. Then find % change in temp from 5 to 9 pm.

12] Given \$ means Tripling and % means change of sign then, find the value of $\$ \% \$ 6 - \% \$ \% 6$

13] The size of a program is N . And the memory occupied by the program is given by $M = 4000 \sqrt{N}$. If the size of the program is increased by 1% then how much % inc in memory?

14] The bucket size is 10KB. It takes 0.0001 KB/milise to fill bucket. The bucket takes 100 or 1000 milise to reach to destination. It takes 100 milise to pass acknowledgement from dest to source. So calculate how much time will it take to pass N KB, write formula. Q like this one. Just know the method

15] A power unit is there by the bank of the river of 900 meters width. A cable is made from power unit to power a plant opposite to that of the river and 3000mts away from the power unit. The cost of the cable below water is Rs. 5/- per meter and cost of cable on the bank is Rs. 9/- per meter. Find the total of laying the cable. Q like this one. Just know the method

16] Select the odd one out a. Oracle b. Linux c. Ingress d. DB2

17] Find the physical quantity represented by $(\text{FORCE} * \text{LENGTH}) / (\text{VELOCITY} * \text{VELOCITY})$

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18] Given the length of the 3 sides of a triangle. Find the one that is impossible?

19] Find the singularity matrix from a given set of matrices?

20] Select the odd one out a. Oracle b. Linux c. Ingress d. DB2

21] A 1 0 0 1 0 0 0 1

B 0 1 1 0 1 0 1 0

C 1 0 0 1 0 1 1 0

$(A \cup B) \cap C = ?$

ans

u is OR, n in AND

22] Some Venn diagram was given about English, Hindi and Bengali speaking people. 3 sums were asked easy manageable. about % of Bengali speaking people not speaking Hindi but speaking English. etc

23] What shape will be obtained using these values

X Y

0 0.001

10 1.02

100 1.72

1000 3.00

9999 4.72

24] Some BAR CHART and pie chart given & 2 or 3 questions were asked fairly easy. bar was about people joining each yr and pie chart about % of people. about which yr had max growth %, like that.

25] Which of the following is power of 3

26] Which of the following are orthogonal pairs a) $3i+2j$ b) $i+j$ c) $2i-3j$ d) $7i+j$

27] Which of the following are orthogonal pairs a) $3i+2j$ b) $i+j$ c) $2i-3j$ d) $7i+j$

28]if A,B,C are the the mechanisms used separately to reduce the wastage of fule by 30%,20%,10% . what will be the fule economy if they were used combine.

29 A plane moves from 9°N40°E to 9°N40°W. If the plane starts at 10 am and takes 8 hours to reach the destination, find the local arrival time?

nearly 1000 attended d test & nearly 40% got to 2nd round.....

TCS-Placement Paper-12 July 2006

TCS came to our campus, on 12th july. As usual in the aptitude test we had three sections:

- 1) Verbal-10 antonyms,10 synonyms,10 fill in the blanks and a big passage
- 2) Quant-very easy,almost the same questions,which appeared in previous paper.
- 3) Reasoning-GRE barrons,12th edition,all the 5 model tests

After the aptitude we have---

1. Technical round
2. MR round
3. HR round

In the Tech round----

panel: wat is ur fav subject.

myself: analog communications

panel: wat r diff types of modn.

myself: AM and angle mod.....

panel: wat is sampling theorm

myself: explained

panel: apart from analog communications, wat do u know?

myself: microprocessors,digital electronics.....

panel: explain the architecture of 8086

myself: done

panel: wat is DMA

myself: explained

panel: wat is PPI

myself: explained

panel: list some of the microprocessors, u know?

myself: 4004,8008,80x85,8086.....pentium4

panel: wat is a timer

myself: answered

wat is a multivibrator, and how many types
myself: 3 types-astable,monostable and bistable
panel:write a C program to find the no. of prime numbers between 1 to 100
myself: explained the logic

THE MR ROUND WAS ALSO INCLUDED IN THE TECH ROUND FOR SOME STUDENTS,INCLUDING ME

panel: tell me some thing which is not there in ur resume
myself: strengths and hobbies,bla bla bla.....
panel: why do u want to join TCS
myself: i told them wat ever i heard in the pre-placement talk, and they were impressed
panel: explain the miniprojects u have done
myself: explained them in detail and they said i sound very confident.

HR ROUND

Then i was called for the HR round. In this round the panel consisted of a lady.

lady: how r u DEEPTHI?
myself: I am doing good mam,how r u?
lady: fine
lady: how was ur tech round?
myself: very well mam
lady: confident?
myself: a confident "yes".
lady: wat do u know abt TCS
myself: I told them everything that i know abt TCS (i read it from TCS site)
lady: why do u wanna join TCS
myself: employee friendly....
lady: any incident where u worked in a team?
myself: i have done mini projects and we all contributed equally in it
lady: if some member of the team is always arguing, wat would u do
myself: i would try to convince them
lady: wat r ur hobbies
myself: watching cricket....
lady: will u go to Ahmedabad, if u r posted there
myself: for me working in TCS itself is a great pleasure, so the place would not matter.
lady: wat is TCS into?
myself: into s/w
lady: name some of the clients of TCS
myself: done
lady: wat else do u do in free time
myself: I read news paper
lady: wat is the latest news
myself: serirs of bomb blasts in local trains of mumbai
lady: Wat do u feel abt all this Che tanaS
myself: India being a country of so many languages,religions,cultures...,such acts will not go to affect the unity and integrity of the country.

THEN THE RESULT WAS ANNOUNCED AND FINALLY I GOT THRU.

TCS-Placement Paper-July 2006

Am a final year electrical engg student and got into TCS. The written was as usual from the previous papers..quant is the most scoring part for me.

I got electrical panel for me and the tech + management round was 45 min for me..they asked me all kinds of qs..as i said power electronics all the qs were related to that and ofcourse he covered machines and control systems.

He asked me how i rate on C and i said 7..i answered all the C qs perfectly.. they asked y software

introduce urself

y u choose eee

y dont u go for higher studies

y should we hire u

i answered confidently and i was cool

My final HR was 30 min

he asked me about perry mason (as I wrote reading perry mason novels as my hobby and i told i meditate)..then about meditation uses, how much I changed meditating. do u think a bond is necessary and so on

Thanks a lot to this group...it helped me a lot

the most imp thing is that show them u belive in long term commitment and b confident and consistent.

TCS-Placement Paper-July 2006

I got placed in TCS in campus interviews in the first week of July.

Regarding written test:

The pattern is same, verbal is tough.

Reasoning from Barrons 12 & 13th edition (understand don't mugup).

Aptitude is same, some questions are tough (understand every question).

Interview:

This depends entirely on panel.

But be confident, maintain eye contact, speak good English.

Read u'r subjects (very necessary).

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Know about tcs . Refer site, k now about awards e.t.c.
Be prepared to answer,
Why t.c.s, why should we hire u, why software for non it students.

TCS-Placement Paper-05 July 2006-Chennai

I had TCS on campus on 5-7-06 in Chennai. I am placed in it. Around 500 attended the written test. 256 attended the technical interview. 180 attended the HR. finally 151 were placed.

Written Test: the written test was a bit tough. It was online test.

Verbal-10 synonyms
10 antonyms
6 fill in blanks
6 reading comprehension (20 minutes)
Prepare GRE words as much as possible.

Aptitude- 38 questions (40 minutes)
In this section almost all the questions were from previous year papers. So for aptitude just practice previous year papers. That alone is enough.

Analytical- this section was exactly from GRE Barrons (12th edition). The questions order was also not changed. So MUG it up.
3 passages. Each 4 questions
12 questions (30 minutes)

Technical interview
I am from EIE dept. I was asked questions from C (sorting, structures, arrays).
Then I was asked questions from Digital design, as it was my area of interest. Then I was asked to explain my project or paper. It was for around 20 min.

HR
They asked me abt my family background. Then abt recent book which I read. I had put my hobbies as Reading books. They asked me to tell abt it. They asked whether I am ready to sign a bond for 2yrs. I said OK. They asked my strengths, why shud I select u?

TCS-Placement Paper-2 Jun 2006-Pondicherry

I am a student of MCA-Sri Manakula Vinayagar Engineering College.I'm sharing my TCS Interview experience with you.

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Day 1: Pre-Placement Talk
Day 2: Written Test (Online Exam)
Day 3: Technical Interview and HR Interview

Total No. of Students Appeared : around 570
Total No. of Students cleared written test : around 100-150
Total No. of Student Selected : 68

WRITTEN TEST:

20-Synonym and antonym (10+10)
10-Fill in the blanks
35-quantitative aptitude
12-Logical Reasoning (4*3)

- * Synonym & antonym and Logical Reasoning from barron's 12th Edition
- * For Logical Reasoning read the Model test at the last (totally 5 Tests)
- * Synonym and antonym- you have to read 750 words that are available in GRE frequent word list. In online exam the software will produce random syno and antonym.
- * For QA use all the sample papers available in various job sites. Questions are repeated one but the values are different.

TECHNICAL INTERVIEW

- * Tell me about yourself
- * About my achievements (software Project Management)
- * Software engineering concepts (steps in project development, various testing strategies)
- * DBMS (normalization)
- * Operational Research (PERT & CPM)
- * Data Structure (various algorithm and strategies available in data structure)
- * Java (Programs that are developed while learning)
- * Why you had selected this college
- * Compare the quality of education in your college with other
- * Project Details (UG and PG)
- * Personal details (father, brother)

HR INTERVIEW

- * About my hobbies (Creating Graphics designs using photoshop)
- * How the IT field now
- * Applications of IT
- * If you become the CEO of TCS in which area you will focus
- * About my PG project (Online Examination)
- * Why you had chosen networks as your area of interest
- * Explain your object (I will grow and make my company to grow)

- * Tell something about TCS.
- * Regarding my achievements

TCS-Placement Paper-23 Jun 2006

I have taken up the online test on June 23. the test contains three sections.

The first section is the Verbal part. This section has 30 questions. The time limit is 20 minutes. There are 10 synonyms, 10 antonyms, a passage is given and we have to fill up the blanks. Then a comprehension. Some students got all the words from high frequency word list in gre.barrons book.

The second section is the quantitative Aptitude .there was 38 questions and time limit is 40 mins. all the questions were repeated from previous paper. it is enough if we look at the old papers.

The questions pattern is

1. Complete the series.

26, 63, ----, 226..

2. A set of angles for a triangle were given and I was asked to find which one does Not represent a triangle.

3. in a two-dimensional array, X (9, 7), with each element Occupying 2 bytes of memory, with the address of the first Element X (1, 1) is 3000, find the ending address of X (8, 5).

4. In the word ORGANISATIONAL, if the first and second, third And forth, forth and fifth, fifth and sixth words are Interchanged up to the last letter, what would be the tenth? Letter from right?

5. Select the odd one out a. Oracle b. Linux c. Ingress d. DB2

6. Select the odd one out a. WAP b. HTTP c. BAAN d. ARP

7. The size of a program is N. And the memory occupied by the Program is given by $M = \sqrt{100N}$. If the size of The program is increased by 1% then how much memory now Occupied?

8. A man, a woman, and a child can do a piece of work in 6 Days. Man only can do it in 24 days. Woman can do it in 16 Days and in how many days child can do the same work?

9. Number of faces, vertices and edges of a cube

10. Find the value of $@@+25-++@16$, where @ denotes "double" And + denotes "change of sign".

11. Find the result of the following expression if, M denotes Modulus operation, R denotes round-off, T denotes truncation: $M(373, 5) + R(3.4) + T(7.7) + R(5.4)$

12. A power unit is there by the bank of the river of 750 Meters width. A cable is made from power unit to power a plant Opposite to that of the river and 1500mts away from the power Unit. The cost of the cable below water is Rs. 15/- per meter And cost of cable on the bank is Rs.12/- per meter. Find the Total of laying the cable.

13. Which of the following are orthogonal pairs?
a. $3i+2j$ b. $2i+j$ c. $2i-3j$ d. $-7i+j$

14. If A, B and C are the mechanisms used separately to reduce the wastage of fuel by 30%, 20% and 10%. What will be the fuel? economy if they were used combined.

15. A, B and C are 8 bit no's. They are as follows:
A 1 1 0 1 1 0 1 1
B 0 1 1 1 1 0 1 0
C 0 1 1 0 1 1 0 1

Find $(A-B) \cup C$.

16. A Flight takes off at 2 A.M from northeast direction and travels for 11 hours to reach the destination which is in North West direction. Given the latitude and longitude of source and destination. Find the local time of destination when the flight reaches there?

17. Find the singularity matrix from a given set of matrices?

18. $(\text{Momentum} * \text{Velocity}) / (\text{Acceleration} * \text{distance})$ find units.

19. Which of the following set of numbers has the highest Standard deviation?

7, 0, 7, 0, 7, 0
-7, -7, -7, -7, -7, -7
7, 7, 7, 7, 7, 7
7, 7, 0, -7, 0, -7

20. Match the following.

1. Brother - sister ---> a. Part of
 2. Alsatian - dog ---> b. Sibling
 3. Sentence - paragraph ---> c. Type of
 4. Car - steering ---> d. Not a type of
- Ans. 1-b, 2-c, 3-a, 4-d

21. A question from Venn diagram. It was simple.

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22. A pie chart was given and a bar chart was given. 4 questions asked from that. (22-25 questions)

26. $G(0)=-1$, $G(1)=1$, $G(N)=G(N-1) + G(N-2)$, $G(4)= ?$

27. What is the max possible 3 digit prime number?

28. If TAFJHH is coded as RBEKGI then RBDJK can be coded as

I'm not able to recollect the remaining 11 questions.

The third section is the Critical Reasoning part. there were three questions. each having four sub divisions. So totally 12 questions.the time limit is 30 minutes.

After completing the test the result will be immediately flashed on the screen.

On the next day we had the Technical interview and HR interview.

The people who came for recruitment from TCS were friendly. There were around 4 panels each for technical and HR interview. In my technical interview panel there was a lady and a man. The questions which were asked to me during technical interview were.

1. Tell me about yourself.

2. They asked me to explain about my paper presentation.

3. They asked me whether I know C.

I said I can rate myself as 6-7 on a scale of 10.

4. He asked me to write a program using pointers in linked lists.

I told I cannot write a program but I can explain them about linked lists.

5. They asked me to explain single and double linked lists.

Explained them using a paper.

6. They asked me what an operating system is.

7. They asked me what compiler constants are.

I said I don't know.

8. They asked me what the computer subjects we had in our syllabus were.

I told im from ECE department. I said we had C lab, data structures and computer communication networks.

9. They asked me the protocol used for internet.

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Answered.

10. They asked me to write down the names of different protocols knew.
Answered. wrote in the paper.

11. They asked me the name of protocol used for e-mail.
I told I don't know.

12. Whether I will go abroad?

13. They asked me why TCS?

I told them thank you and gave a shake hand and left the place with Confidence.

After 5 minutes a lady told me that I was selected for the HR interview and she gave me a form and asked me to fill the necessary details.

After my technical interview I was waiting for around 3 hrs. Then I was called for my HR interview.

I went inside the room. The HR Person said sorry for the delay. He asked me whether I was waiting for a long time told him no problem its ok with a smile.

He asked me to start the interview. So I told him that I shall tell about me. He asked me to tell about my paper presentation. (Actually he wanted me to divert). I explained my paper. later he asked me questions from that.

He asked me why u took up engineering.

He asked me whether I had any questions for him.

I asked him whether the training is separate for each department of engineering.

I asked him whether TCS takes up any electronic projects.

At night 1:35am the results were announced. I got selected for TCS.

I wish everyone ALL THE BEST !!!!!!!!!!!

TCS-Placement Paper-28 May 2006-Narsapur

I got placed in TCS thro' on-campus placements. Finished 3rd yr n got into 4th yr.
This placement I could divide into 3 parts.

Preparation, Online test, Interviews.

PREPARATION

My preparation was completely from previous papers and to some part from R.S.Aggarwal.

But, R.S.Aggarwal dint serve me much as I found many of the aptitude questions or atleast the models found from previous papers.

I dint open GRE Barron's for verbal part but only learnt the verbal Q's from previous papers and went thro' some CAT materials. But, I would suggest you to read GRE Barron's as it helped many of my friends to get thro' this part.

My preparation was for about 5 days or even less than that and I was enjoying my preparation.

ONLINE TEST

The Q's differed from one student to the other as far as I know.

The online test can be of 3 parts:

1. Verbal Ability
2. Aptitude (quantitative)
3. Critical Reasoning

NOTE: Psychometric test was not there for on-campus tests. That might be there for off-campus.

Verbal - This part disappointed me much as I prepared entirely from previous papers and to some extent the CAT materials as I said but, I managed through options for Synonyms and Antonyms picking out the odd one out. Time was sufficient but because its online test marking out the answer and coming back to the question already visited but unanswered created wastage of time as only one question is displayed on the screen at a time. As, no negative marking as far as I know, I suggest not to leave any question unattempted. Paragraph completion was a bit tough for all of them from our campus and consumed lot of time coz we have got to fill up the sentence in the blanks. But, don't worry you can get thro' easily. A total of 40 q's to be answered in 20 mins in these 3 areas -Synonyms, Antonyms & Fill in the blanks.

Aptitude - This part was quite easy and engineering students can easily solve many of them. Some Q's were on Pie & bar graphs which were bit tough. But others previous papers served a lot. Learn the answers for some Q's from previous papers even if you are not aware of how to solve them. But, model may be the same, data may change, so be careful.

I would have given those Pie n bar graphs as I dint find any of them in previous papers but I too don't remember as I dint solve it in the test. Go thro' some of them in GRE Barron's or any of CAT materials (more than enough). Rest of the Q's even if I write

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them here its waste as they are already entirely from previous papers of 2000- 2006 mostly.

Critical Reasoning -This part was very difficult for all of them from our campus.

But, pre-preparation for this area dint also serve. But, if you want to prepare you can from CAT materials (Logical Reasoning part).

3 Paragraphs were given and each consisted 4 q's (12 q's total) in 30 minutes.

Time was not at all sufficient. I would suggest you to thro' all the paragraphs and q's at once and decide the 2 paragraphs those are comparatively easy to be solved first and rest answer ticking the guessed option. I answered q's on one of the paragraphs totally correct and another 2 q's correctly and rest all I guessed the answers.

One paragraph was difficult to understand itself and I was unable to make out what the actual picture could be for a long time. Then, I went for the others leaving that completely with guessed answers.

For instance, names of about 15 members were given and their arrangement in a circular table was asked giving a set of conditions on it.

One more set of questions where Democrats, Conservatives and delegates under them & some conditions for the delegates to be a Democrat or others were given

One more, which was easy to answer all the questions from that paragraph.

But, anyhow you can easily get thro' if almost all the previous papers are solved.

INTERVIEW

Interview was very cool. Actually many of my friends had 2 interviews- Technical and HR. But, I had to go thro' another round called Managerial round as my B.Tech aggregate was 81% pretty high for CSE students. So, I was tested how I would react under stress but, you know stress was completely lacking in that round. :-D.

I would suggest you all to be confident with enough preciseness and let them understand that you will be a good part of the organization n work sincerely.

Be good in explaining your strengths by taking instances for instance, you can say you have been pursuing good scores and always been among top 3 rankers in the school / you are good as a team member or leader as you have participated in different competitions or sports as a team etc / good in giving seminars/ good in grasping skills and so on. Explore your self and try to let them know all good things about you by not disclosing your weak points.

Technical round was composed of many technical q's posed on me. There were 2 people very friendly to me & no need to get tensed.

I managed to say "I don't know" in different ways like "I don't remember", "I am not quite good in that area", "I have no idea" etc. frankly when I dint know the answer.

I was asked on different fields like Data Comm., Comp. Networks, C & DS, Java, UNIX, OS, DBMS and some others from my paper presentation "Voice Over internet Protocol".

So, be prepared very well from your Paper Presentations or projects any as they are very much important. Some questions were on easy puzzles like how many squares and rectangles in a chess board and some 5 glasses placed in a line and first 3glasses filled

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with water, how to make alternative glasses filled? (by pouring water from 2nd glass to the 4th glass). There were even q's on Math like Euler's theorem, derivatives, integrals ad some from Management Science (MS) like HR functions, Personnel Manager functions, leadership qualities. So, technical interview is based on how you drag them to your strong areas by not letting them ask more on subjects you are weak at. Because, if they find a new word they are deviated to the subject related to the new word.

Techies on me were like-

- Diff b/w Compiler & Interpreter.
- q's on Linked Lists in C, Binary Search program.
- Concepts of Compiling n running a program in Java & C. Bytes codes etc, JVM.
- Diff b/w C & C++.
- Concepts of Data Inheritance, Polymorphism, Data Abstraction, Encapsulation.
- Diff b/w UNIX & Linux.
- Communication concepts in UNIX (commands used for communication b/w users like mail, wall etc) & differences between them.
- Layers in OSI model and their functionalities
- why is the network model divided into layers?
- Virtual Memory Concept, Message passing & synchronization.
- Integrity Constraints in DBMS, types of DBMS n uses.
- What type of communication either Token Ring- Ethernets, Token Bus are used in (our) lab? I dint know this, accepted frankly & explained what are Token rings -Ethernets, token buses instead. Answered all others except message synchronization concept (properly).
- Above said q's on Math, MS & on my paper presentation.
- Some personal q's on hobbies, competitions & securing marks in between each techie to keep you cool.

The interview was for about 20-25 mins. I was interrupted when I completed just one point in each question.

My friends were asked some other questions like:

- Write a program in C to get the o/p as
*
* *
* * *
* * * *
- Searching & sorting Techniques.
- Chess program (just explain the modules and techniques which are to be considered like MinMax algorithm etc).
- Types of DDL n DML commands in DBMS.
- What is RDBMS?
- Applets and threads in Java.
- Some personal q's on hobbies like singing, painting, reading books.

One more thing, give your hand for a shake when asked for (only) without making any delay. Because, I delayed in Stress round when asked for suddenly and I then managed to answer the reason behind my delay frankly.

HR round was superb cool. Asked me how I was feeling in the interview process and

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about my family, future goals, three things necessary for a success, about other things I wrote in my resume. Asked me whether any changes are suggested by me in the interview process. About my hometown, about the bond (agreement for 2yrs), then whether I have any q's for them and finally the HR said that it was nice talking to me, I said "Thank U, U too Sir" and left.

So, this is about my recruitment process. Don't worry, it is very easy to get thro' as imagine, one of my friends was asked to sing (her hobby) in technical round. I am sorry if there are any mistakes either grammatically or conceptually in this post. But, to my knowledge, they are correct. Hope this would help you at least to some extent. Good Luck & My Best Wishes to everyone.

TCS-Placement Paper-09 Jun 2006-Chennai

TCS came for recruitment on 9th and 10th june.

The first round was an online test .

Its marks allotted for various sections:

Verbal (Synonym + Antonym+Fill in with most appropriate sentence) - 20 marks

Quantz(R.S Agarwal) - 40 marks ch eta nas

Critical Reasoning (This had some Puzzles like in George Summers .Eg. A is to east of c,c is south of d,blah blah blah and youll have to answer the questions) - 30 marks

Minimum Cut off was 52.5 and results will be flashed in the screen immediately.

Second round was Technical. Questions were asked generally regarding what you have mentioned in your resume and some general stuffs, about your projects etc.

Third round was an HR round. There would be some senior personnel interviewing you. You'll be tested both in technical and HR.

Both in Tech and HR only general concepts(Not deep into ur discipline, but some basic definitions. They Expect Realtime examples only) were asked and every person was tested in his Major only. Eg. Mechanical Students were asked questions only concerning to mechanical engineering.

TCS-Placement Paper-11 Jun 2006-Coimbatore

X series

Synonyms

Garrulous-talktive

Candid-outspoken

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Equanimity-composure
Broucher-oppening
Chimerical-fantastic
Prodivity-
Regal-royal

Antonyms

Protract-shorten
Tenacious-
Credit-
Precipitious-
Admonish-
Repudiate-accept
Quixotic-
Invoice-

Sentence completion

It was on fungus-chlorophyll from Barrons 13 edition

Passage from Barrons, it is on some characters from catholics church .search from barrons

Apt same as others papers

Critical reasoning from barrons 13 edition and its more than enough and go through all

1 red and brown related to marriage
2 toll gate problem between cities
3 persons speaking different languages and their possible arrangement like those speaking spanish and French etc.

Y series
Synonyms

Brakish-
Clift-split
Notrotic-having unfortunate
Interemirayte-

Interpied-courages
Tawdry
Intervene
Intricit
Hamper
Assuage
Haplace-unfortunate

Antonyms

Tractable-
Urban
Disin
Complus
Precipitate

Critical reasoning

1 red and brown
2 all a's b'sare q's
3 tamil,hindi ,telugu lang based

Z series

Synonyms

Equanimity-
Misrange
Incontinent-
Contradictory
Mirage
Interdict
Assuage
Reville
Cibide

Critical

Meusem prob
Tamil,Malayalam,orriya ..
Red brown

Don't put everything k there is upper cut off

Put max 65-67 out of 82

TCS-Placement Paper- 1 June 2006-kolkata

Recently I have been campus recruited from GNIT kolkata by TCS.I am a third year student from electrical background and as you know it's a tough competition for us to enter the software profession..I have found that there is no material for electrical department so I am compiling and sending my preparation to you all.

The test was online and written both.

I am sending you the questions.

Paper consisted of three sections.They are as .

Verbal-30Q-20mins

Logical/Quantitative-38Q-40mins

Critical-12Q-30mins

So the total exam is for 50mins and not 60 mins as it had been told by most of the passouts who got through..For online test there is a specific time cut-out based on the qubex software they have used but for the written there is no time scheduling you can start anywhere you like..

Cut off for written was 50 and for online it was 42 and not 38 as told by the others..

Now the questions that came.

Verbal: Synonyms:

Brim

Renounce

Caprice

Brash

Limber

Admonish

Tranquil

Moribund

Mundane

Antonyms (This came mostly from GRE Barron's Antonyms exercise)

Encumber

Opacity
Bilk
Luminary
Spur
Stupefy
Pulchritude
Slack
Occlude
Ambiguity

Logical/Quatitative:

Complete the series 2, 7, 24, 77, ----? Ans: 238

find value $\#\# + 25 - \sqrt{\#} + 16$, where # denotes double and + denotes square root
Ans: 621

in a two dimensional array X(9,7) which each element occupying 4 bytes of memory with address of the first element X(1,1) is 3000, find the address of X(8,5).
Ans: 3212

In the word ORGANISATIONAL if the first and second, third and fourth, fourth and fifth, fifth and sixth words are interchanged up to the last letter, what would be the tenth letter from right????
Ans:I

What is the largest Prime Number that can be stored in 8-bit memory?
Ans:251

Select odd one out Java, LISP, SMALLTALK, EIFFEL Ans: effiel

Select odd one out sql, DB2, SYBASE, HTTP Ans:HTTP

The size of program is n. and the memory occupied by the program is given by M= square root of 4000n.if the size of the program is increased by 1% then how much memory now occupied? Ans:0.5%(SQRT 101N)

A and B do a work in 7 days. If A does double as B the how many days take A to do?
Ans: 10.5

Find the value of the 678 to the base 7. Ans: 1656

Which of the following highest Standard deviation
7, - 7, 7,-7, 7,-7 b) 7, 7, 7,7,7,7 c) -7, - 7, -7,-7,-7,-7 d) -7, 7, -7, 7,-7, 7 Ans: d)

Which of the following is power of 3 a) 2345 b) 9875 c) 6504 d) 9833
Ans: c)

Which of the following is integer? a) 451/45 b) 8765676/17 c) 34567/76 d) 567845/19

Ans: b)

find the result of the following expression if , M denotes modules operation, R denotes round-off, T denotes truncations $M(373,5)+R(3.4) +T(7,7)+R(5,8)$

Ans: 19

If TAFJHH is coded as RBEKGI then RBDJK can be coded as?

Ans: qcckj

16. $g(0) = -1$, $G(1) = 1$, $G(N) = G(N-1) - G(N-2)$, $g(6) = ?$ Ans: -2

A power unit is there by the bank of the river of 900 mtr width. a cable is made from power unit to power a plant opposite to that of the river and 3000 mtr away from the power unit. The cost of the cable bellows water Rs5 / mtr and cost of cable on the bank is Rs 4/ mtr. Find the total of laying the cable.

Ans: 12900

In madras, temperature at noon varies according to $-t^2/2 + 8t + 3$, where t is elapsed time. Find how much tem more or less in 4 pm to 9 pm.

Ans: At 9pm 7.5 more Vyom-Jobs

The size of the bucket is N kb. The bucket fills at the rate of 0.1 kb per millisecond. A programmer sends a program to receiver. There it waits for 10 milliseconds / and response will be back to programmer in 20 millisecond. How many much time the program takes to get a response back to programmer, after it is sent?

Ans: 30 millisecond

Which of the following do not form triangle? a) 5,5,5 b) 3,4,7, c) 3,5,9 d) 81,8,5

Ans: c) options are not right

Which of the following are orthogonal pairs a) $3i+2j$ b) $i+j$ c) $2i-3j$ d) $7i+j$

Ans: a) + c)

If A, B, C are the mechanisms used separately to reduce the wastage of fuel by 30%, 20%, 10%. What will be the fuel economy if they were used combine?

Ans: 49.6

What is the max possible 3 digit prime number?

Ans: 997

If the vertex (5,7) is placed in the memory. First vertex (1,1) s address is 1245 and then address of (5,7) is -----

Ans: 1279

A can copy 50 papers in 10 hours while both A & B can copy 70 papers in 10 hours.
Then for how many hours required for B to copy 26 papers?

Ans: 13 hours

My flight takes off at 2am from a place at 18N 10E and landed 10 Hrs later at a place with coordinates 36N70W. What is the local time when my plane landed?

Ans: 6.40 am

The number 384 in decimal system is given by $(1234)_x$ in the X System of numbers find the value of X a) 5 b) 6 c) 7 d) 8 e) 9

Ans: a)

A man, a woman, and a child can do a piece of work in 6 days. Man only can do it in 24 days. Woman can do it in 16 days and in how many days child can do the same work?

Ans: 16

Complete the series. 3, 8, --, 24, --, 48, 63. Ans: 15,35

WHICH SHAPE WILL BE OBTAINED BY USING THESE VALUES OF X ,Y

X Y

0 0.00001

10 1.02

100 1.72

1000 3.00

9999 4.72

Ans: $Y = \log_{10}(X)$

33. VENN DIAGRAM below HOW MANY PERSON KNOW ENGLISH MORE THAN FRENCH. HOW MUCH % OF PEOPLE KNOWS ALL THE 3 LANGUAGES. HOW MUCH % OF PEOPLE THOSE WHO KNOWS FRENCH AND GERMAN AND NOT ENGLISH

34. Number of faces, vertices and edges of a cube Ans: 6,8 , 12

35. A, B and C are 8 bit no's. They are as follows:

A -> 1 1 0 1 1 0 1 1

B -> 0 1 1 1 1 0 1 0

C -> 0 1 1 0 1 1 0 1 (n=intersection, u=union)

Find $((A \cap B) \cup C) = ?$ Ans: 29.... A-B is $\{A\} - \{A \cap B\}$

36. A finishes the work in 10 days & B in 8 days individually. If A works for only 6 days then how many days should B work to complete A's work? Ans: 3.2 days

And few questions from venn diagram..

Critical:

- 1> Puzzle of a motorist going for the shortest route from city A to city C..
- 2> Puzzle of the two marriage group in a community,i.e Red and Green..
- 3> Puzzle that all K's are J's..

All the three are repeated from the model testpaper 1 from GRE Barron's 12th edition.

Regarding the aptitude please go through the GRE barron's antonym exercise and model test papers.This will also do for critical reasoning. Other that this for logical or quatitative go through the past papers you will get through..

Interview:

There was only one person in my panel.But he was more that enough..

Person:Intoude yourself?

Me:bla bla..

Person:So you r from electrical,and subjest of interest is digital?

Me yes

Person:But how about machine?

Me: I know the basics.

Person:Draw the torque slip grap for single and 3 phase induction motor?

Me: Drawn and explained

Person:Convert the number 32 to octal and hexadecimal?

Me:Done with no problem.

Person:Do you know corona in power system?

Me:Yes,sir and I explained it to him.

Person:How to reduce them?

Me:I explained the various method of reducing corona.

Person:Why do we use octal number system?

Me:To get the tedious long binary data into small memory of the digital circuits.

Person:How in microprossecor 8085 the instructions are executed?

Me:Explained the whole working of 8085 microprocessor

Person:What is stack in data structure and its repective operation?

Me:Explained it and its push pop algorithms explined properly

Person:What do you know in 'C'?

Me:Just the Basics

Person:Write a programe using structure to draw the result for a class?

Me:Written it with no trouble..

At this he was very much impressed and asked me if I am feeling comfortable as I was smiling at his every word. I said I am all right. He bid me best of luck and recommended

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me to HR.

HR Interview:

As I have given 'HANDWRITING ANALYSIS' as my hobby so the two HR person kept on writing pages after pages and gave me to analyse,as I was strong in this groun so I hit the bulls eye and I was selected..To get success through HR write a peculiar hobby and grow interest for it and you are sure to clear it with no doubts..e.g- stock market,finding information about super computers..

FINAL RESULTS:

TOTAL SAT FOR THE EXAM:112

WRITTEN CLEARED:24

TECHNICAL CLEARED:12

HR CLEARED:10

Things to remember:

**plz don't visit the companies site the day before campussing for collecting information.You will get the latest update through preplacement talk.

**Practice GRE barron's more than the question papers.

**Be confident in what ever you are saying.

Lastly if I can do it,You all can do it too

TCS-Placement Paper- May 2006

As many of u are keen to know about TCS procedure I am giving u some idea about it.

TCS test is having three sections as

1. Vocabulary section
2. Quantitative section
3. analytical reasoning section

The test is either Online or Offline, if it is online then paper is somewhat easy but u have time limit to solve any of the section though u can scroll through ques. in that section. that is u have to complete 1st section in time limit given to u. this results in that the last section is somewhat easy and completes in less time but u cant solve ur ques. remaining in 1st section. thios is disadvantage of it. but if test is Offline then paper is hard whole paper(all three sections) is given to you and u have to solve it in 90 minutes no matter that u are scrolling through sections or not.

1st section consist of 10 synonyms and 10 antonyms, paragraph complition and ques. from given para..

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the words are bit hard and merely 1 or 2 are from previous TCS paper (remember this coz we generally depend on it)

I recall in my paper only two words i. e. 'rubbish' and 'controvert' were from previous paper and words like 'Mirrage' etc. were asked for 1st time.

For these words go through GRE Barrons word list. u will get it easy if u are gone through book ' word power made easy ' by Norman Lewis.

2nd section consists of very less aptitude ques. from R.S. Agrawal and maximum ques. are based on 10 and 12 std. maths i.e. ques. on parabola ellipes, matrices etc.but this section is easy and u can easily crack it with some basic knowledge of maths.

3rd section is analytical reasoning in which ques. on puzzles, logical diagrams, etc. are included. its is most easy section.

ur result is displayed on screen as u complete test in Online test.

as u shortlist in test u have to undergo technical interview 1st and after passing it u have to go for HR.

technical interview is not so difficult only u should be confident in it. as u passed aptitude test its very easy to get in TCS though u are not so strong in technical only the fact is u should be confident and fluent in english. also remember that HR is also elimination round in TCS so be prepared for it. answer with care in HR, generally the ques. like

1 Why should I hire u TCS ?

2 why do u want to join TCS?

3 what u are having different than others that I select u?

also qus. like ur achievements in past, ur goal in life.

In my college 290 students were eligible for TCS out of which 37 were shortlisted for T.I. and from this 18 were for HR and finally they select 15 students.

Friends best of luck for TCS interview

TCS-Placement Paper-29 May 2006-Pondichery

I got placed in TCS.

TCS came to our college as in the first slot. Over 400 participated and they selected only 124.

There was an online exam. In that they selected around 270. In technical interview they selected around 170 and after HR they took only 124.

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Online exam s easy for me. As usual it consisted of 3 sections.
Verbal - 20 minutes - 10 synm, 10 antny, 10 paragraph.
Aptitude - 40 min
Reasoning. - 30 min - 12 questions.

They actually used 2 URL s for the online test. In one URL all are very easy including the Verbal (mostly TCS words and High frequency words). In the other one all sections were tough, Verbal part is more tough. It all depends on luck. For me first I got the tougher one, but there was some server error, after I answered the verbal part (which was very tough, I answerd only 2 even though I read all TCS and HF words) it closed. So they told to login using the other URL. It was very very easy.

I was able to complete in 1 hr 15 min.

Reasoning wat I got is fully Barons 12th edition.

I read from one paper advising the students to read the followin for reasoning.

GRE Barron's LR(12th edition)

Model test 1 :Section 5 and 6, from page 442-448
Model test 2 :Section 1 and 6,page 473-476 and 495-498
Model test 3 :Section 5 and 6,page 540-547
Model test 4 :Section 5 and 6,page 590-595
Model test 5 :Section 3,page 628-631 and Section 7,page 644-646

1)Model test 1:
section 5

Questions 8-12: A project to consolidate the program of a large university..

Questions 13-16:In a certain society, there r two marriage group, Red and Brown..

Questions 17-22: The letters A,B,C,D,E,F and G..

Section 6:

Questions 1-4: In Country X the Conservative, Democratic and justice..

Questions 8-11: tom wishes to enroll..

Questions 12-18: joe, larry, ned,..

Questions 19-22, A causes B or C, but not both..

TCS-Placement Paper-May 2006

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I m happy to inform all that i got placed in TCS on campus..there were 3 rounds1. online test2. technical interview3. hr interviewThe online test was easy..but going thru previous papers is a must..and should go thru gre barrons words...the critical section consisted to gre type analytical questions..the tech interview was tough and dbms is given a lot of importance..but learning all subjectsis a must...all the best to all of u tryin for jobs...171 got thru online test and 67 were recruited finally..Im very thankful to all.(Paper Submitted By : Aruni)

TCS-Placement Paper-08 April 2006-West Bengal

I have got good news to share. I have cleared TCS!!! Hip Hip Hurray. TCS had come to our college Siliguri Institute of Technology (Siliguri, West Bengal) on 7th and 8th of April. This mail is to inform everyone about my experience.

The recruitment process consisted of:

- i) Initial screening(60% in 10th and 12th and 70% in B-Tech)(188 were screened from over 350 in this phase)
- ii) Online Aptitude Test(42 cleared this test)
- iii) Technical Interview(26 cleared the technical round)
- iv) HR Interview.(15 people got through the HR round. Yes, they slashed 11 out of 26)

Aptitude Test:

Everybody got a different mix of questions.

The antonyms and synonyms were 70% common.

The sentence completion passage was very tough. It was about steadily depleting energy resources and alternative sources of energy. I don't think I got all of them right.

The comprehension passage was quite easy. What's more I got it common as it was from Barron's GRE guide (page 104, 15th edition passage on components of atmosphere) (Time 20 mins for verbal non verbal part. 10 synonyms,10 antonyms and two passages)

The quantitative part was repeated from previous papers(Time 40 mins-38 questions)

The logical part was again from Barron's GRE guide 12th edition. There were three passages with 4 questions from each passage. (Time 30 mins)

Technical Interview :

The panel had two people both aged under 30. One asked pointed questions another was moderate. HR questions were being asked for the first 5-7 minutes followed by technical questions and puzzles in between.

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Q.1. Why did you select this college? Did you have any other choices? What were they? Why not an Open University? (as I had said college was not that much important for me),

Q.2. what are your hobbies reading books and playing computer games), who is your favourite writer(J.K. Rowling), have you read all her books, Have you read Da Vinci Code, what kind of games do you play? Do you play strategy games? Which game? Have you played empire earth? Have you played Road rash?

Q.3. Why is your career graph so sinusoidal?(My marks in 12th was not good while 10th marks and B-Tech marks were better)? What are your favourite subjects? In which field would you like to work?

Q.4. You have mentioned that you want to work for a concern which provides growth opportunities. But in TCS you have none.

Q.5. Question from DBMS; full form of RDBMS, why is it called relational? unique key, composite attribute, self join, relation schema?

Q.6. Questions from OS; zombie process, interaction between shell and kernel, CPU scheduling algorithm?

Q.7. Question from Linux; what is the first line in any shell script? command line arguments in shell script? Execution of shell script?

Q.8. Questions from C; how do rate yourself in C out of 10? Question on command line arguments? Question on character pointer? Question on string compare?

Q.9. Puzzles;Tell me within three seconds how will you distribute 10 rupees among two of us so that I get 1 Rs more than him? Puzzle of two liars? Puzzle on shape of words of the alphabet?

HR Interview :

Panel consisted of a young lady under 30 and a man just over 30. Questions were pointed but not asked in an aggressive way

Q.1. What were you people discussing outside? (we were cornering those who had finished with their interview)

Q.2. What are your friends' views about this panel?

Q.3. What sort of questions do you expect from this panel?

Q.4. What kind of books do you read?

Q.5. Tell me the story of the recent book that you have read.

Q.6. What discrete measurable skills do you have which gives you an edge over your friends?

Q.7. In what situations would you leave a company?

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Q.8. Do you have anything to ask us?

The funda is to stay cool and focused. They will try to grill you. But, don't show any sign that you are feeling uncomfortable.

Luck is also a factor. So, BEST OF LUCK to all aspiring candidates.

TCS PAPER ON 27th APRIL AT MANIPAL

HI THIS IS ARNAB FROM MANIPAL.. I GOT SELECTED IN ASIA'S NO. 1 COMPANY

TCS CAME TO OUR COLLEGE ON 27TH APRIL.....ABOUT 700 STUDENTS APPEARED FOR THE TEST... 450 CLEARED THE WRITTEN..... THERE WERE 3 ROUNDS OF INTERVIEW...TECH ,MR,HR...

AT LAST 273 WERE PLACED IN ASIA'S TOP COMPANY.....

THERE WERE 3 SECTIONS.....

1.**ENGLISH** GENERAL(SYNONYM 10,ANTONYM 10,READING COMPREHENSION, AND SENTENCE COMPLETION(QUIRE TOUGH))

2.**GENERAL APTITUDE**(38 QUESTIONS) INCLUDING DI AND VENN DIAGRAM(EASY ONES)

3.**CRITICAL REASONING** 3 QUESTIONS(EVERYTHING FROM GRE BARRRONS 12TH EDITION...)

SOME OF THE SYNONYMS ARE.....

BANAL,DETERRENT,VACILLATE,WETHARGY,BANEFUL,SOLLILOQUY,RINAI LE,REVILE

ANTONYMS WERE.....

DESECRATE,COGENT,RAUCOUS...GO THRU ANTONYM QUESTIONS FROM BARRONS 12TH EDITION....ALL WILL BE COMMON

FOR APTITUDE...PREVIOUS YEARS PAPERS ARE MORE THAN SUFFICIENT..SAME THING IS ALMOST REPEATED..very very easy questions

HERE ARE SOME OF THE QUESTIONS I REMEMBER

1) It was a Number series

4, -5, 11, -14, 22, ---

n^2-1 series.....3 8 15 24 ?

2) It was a word SENSATIONAL if you interchange 1st word with 2nd ,3rd with 4th n so on whta will be the 10th word from right..?

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3) What is the largest 6 bit prime number ? Ans := 61

4) A = 0 1 0 1 0 0 0 0 1

B = 0 0 0 1 1 0 1 0 0

C = 0 1 1 0 0 1 1 1 0

what is (A U B)U C ? ans := 255

5) A can copy 50 papers in 10 hours while both A & B can copy 70 papers in 10 hours.
Then for how many hours required for B to copy 26 papers? Ans = 13

6) Find the singularity matrix from a given set of matrices?(Hint $\det(A)=0$)

7) In which of the system, decimal number 384 is equal to 1234?

8) In a two-dimensional array, X(7,9), with each element occupying 4 bytes of memory,
with the address of the first element X(1,1) is 3000, find the address of X(5,8)?

9) One curve problem was given ..

x	y
0.99	0.001
9	0.9
99	1.998
999	3

If $y = f(x)$ find $f(x)$? Ans $\log x$

10) WHAT IS THE VALUE OF $M(373, 5) + R(7.8) - T(6.4) + R(3.4)$

M- MODULAS R- ROUND OFF T- TRUNCATE

11) Find the singularity matrix from a given set of matrices

12) Given the length of the 3 sides of a triangle. Find the one that is impossible?

13) A power unit is there by the bank of the river of 900 meters width. A cable is made
from power unit to power plant opposite to that of the river and 3000mts away from the
power unit. The cost of the cable below water is Rs.4/- per meter and cost of cable on the
bank is Rs.5/-per meter. Find the total of laying the cable ?

14) Match the following:

a. Brake CAR -> a type of

b mother women -> a superset of

c. Ceagle DOG -> A part of

d. mushroom vegetable -> Not a
very easy

15) A Flight takes off at 2 A.M from 32 N 40 E and travels for 9 hours to reach the
destination which is at 12 N 50 W. Find the local time of destination when the flight
reaches there? (soln : 1 degree =4 minutes.. Neglect the latitudes .. $40 - (-50) =90$ degree
 $= 90 * 4 =360$ mins =6 hrs.....time of reaching = 2AM + (9 - 6){substraction as from east
to west}hrs =5 A.M ans)

16) 3 questions from piechart about subjects passed (easy)...

17) 3 questions about a graph about production of resources in varios years..quite easy..

18) find units: $(\text{Momentum} * \text{Velocity}) / (\text{Acceleration} * \text{distance})$ ANS=KG

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19) Select the odd one out a. WAP b. HTTP c. BAAN d. ARP e. SMTP
ans = BAAN

20) Select the odd one out a. Java b. Lisp c. Smalltalk d. Eiffel e. Fortan
ans := Lisp

21) (a) $2+6i$ (b) $1+i$ (c) $6-2i$ (d) $1-7i$.Find which of the above is orthogonal.

22) which is power of 4 ?

a. 2052 b. c.4096 d. e.

ans(4096)

23)If VXUPLVH is written as SURMISE, what is SHDVD?

24) Select the odd one out a. SQL b. DB2 c. SYBASE d. HTTP e .Ingress

ans : = HTTP

25)Find the value of the 678 to the base 7.

26)one question like $g(0)=1$, $g(1)=2$ $g(n)=g(n-1)-g(n-2)$

find $g(6)$?

REASONING (12 questions from 3 passages)

also listing questions from my friends sets ALL WERE FROM BARRONS 12th edition..

TECHNICAL/MR INTERVIEW

It was a NOT A cakewalk...

1. The guy handed me a piece of paper and asked me to write program to reverse character string and factorial (using recursion)...gave me 10 mins then asked me to explain) which i did gleefully.

2.Asked me the diff between C++ & java..

3.abt dbms...joins and normalization

4.java questions.....quite easy..applets, and few abt awt

5.a program on bubble sort

6.thread and process differences.....

7.if u have a project.....just get a good knowledge abt it.....

45 mins. interview in my case.....a stress one.....but just keep ur cool..u will clear it with ease..

thats it no more tech..

MR

3. What would you do if u are rejected ? ans : said i will look back at my performance and turn my -ve points into my +ve points)...

4. Asked me 1-2 questions about family..

here also they asked me abt my project then asked me if i had any questions..its a must.....

HR interview

it was cakewalk for me.....just a 2 min stuff.just be cool....just a formality.. He asked me about my hobbies ..all of which i answered confidently...

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SO GUYS JUST BE CONFIDENT...AND REST IS EASY.....

ALL THE BEST....SEE YOU AT TCS....
ARNAB CHAKRABORTY

TCS PAPER ON 26th APRIL AT GUJARAT

Hi all I am Kavan Patel(6th EC) from U.V.Patel College Of Engineering(Kherva). I would like to share my experience. I hope my experience will be helpful to the TCS aspirants.

The selection procedure comprises of 3 phases.

- 1.Aptitude**
- 2.Technical interview**
- 3.HR and MR interview**

Aptitude had 3 sections

- 1.Verbal**
- 2.quantitative**
- 3.critical reasoning**

For aptitude i referred previous papers of TCS.Latest papers will be more helpful. For verbal and critical reasoning refer 12 edition GRE(model test papers).

In technical interview they asked the basics of all the subjects we had studied.More stress was laid on C and C++.The interviewers were very good,they tried their best to relieve the atmosphere(i was very tensed before the interview).

There were 2 interviewers. One will ask the question and other will notice u.The first question he asked was ""introduce ur self"".

Then he asked about my favorite subjects. Make sure that u dont miss C and C++ in your favorite subject list. Then he asked basic questions of all the subjects we studied. It lasted for 35 to 40 minutes.

Then there was HR and MR interview combined. That was not as tough as technical interview(for me it was easy).HR lasted for 10 minutes.

TCS INTERVIEW PATTERN ON 19th APRIL

Hiii we had TCS on campus on 19th April 2007

I qualified in the written n we were called for Technical

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technical was quite cool

sir: ur name?

me: naveen

sir: tell me abt urself

me: -----

later he asked me many qs from my cirriculum, i am from ECE stream
he asked me Qs like

- 1.types of communication
- 2.what are the latest mobile technologies
- 3.what is dsp ?
- 4.what is a signal n what is a system ?
5. what is a micro processor?
- 6.what is CDMA?
- 7.what is electronic measurement n instrumentation ?
8. what is vlsi ?
9. can u tell me sumthin abt xilinx ?
- 10.what is micro wave engineering ?
- 11.types of modulation ?
- 12.types of signals we have

he was switching among various subjects and i thought he was trying to test my reflexes i was very fast in fact and was happy that i answered ALL his Qs ... not even leaving a single

Qusetion of his

coming to C ... he asked me very few

1. what is a function?
2. what are the data types in C?
- 3.what r the loops in C?
4. can u tell me da diff b/w while & do while ??

He asked my other frns of mine to write a C program ... to my surprise he did not ask me for writing any program i was expecting him to ask me more Questions but he did not n enquired

"Why do u want to join TCS ? "

"I'll send my feed back to ur HR n u can move now ! "

from his facial expressions i understood that i'm through but i had few queries n asked him a couple he answered them patiently.

This round was very cool n surprisingly some of my frns were rejected in MR this round was more at a personal level .. he was asking from da tcs form we filled n CV

he asked " tell me sumthing abt urself ? "

justify in what way u r team player n team leader

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what do u want to do at TCS ?
asked me abt my activities in college
brief abt ur paper presentations
what are ur weaknesses ??? in what way do u overcome them?? what are mistakes u
have done in any event u organised??
what have u learnt from them ??
i have done it very well he said that it was EXCELLENT
n from those words i understood that i cleared it

after finishing my MR i was called for HR with in 20 min as soon as i sat he asked me
for certificates n verified my percentages+

sir : The first Q mite have leaked from ur frns it's da same tell me sumthin abt urself
me : -----

what is ur daily schedule ??? (i was surprised i never thought these sort of Qs would be
asked !!!!!!!)

sir: why tcs ??

what is ur dream company ??

who is ur role model ??

do u want to be the way ur role model is ??

in what way ??

what is ur weakness ??

in what way did u overcome it ??

can u cite out one example ??

after 2-4 yrs where would you want to be??

he asked me that i had any queries i said YES n asked him a couple

i was expecting a much longer round n was ready for it

i was very happy that i could do it well

I was confident that i would make it into TCS

after the results were announced i was very happyall of my frns who went till HR
were selected ... not even 1 was rejected ... The HR was very cool n asked my frns abt
their gal frns n their favorite frns (i was absolutely shocked !!!!!!!)

I'm very much thankful to fershersworld that it gave me a chance to know others
experiences. I could crack tcs mainly because of freshersworld. n also it is giving a
chance for me to share my experience with u ppl.

Thanx once again !!!! all da best !!! gud luck !!!

"COURAGE IS NOT LACK OF FEAR BUT ACTING INSPITE OF IT "

TCS PAPER ON 18th APRIL

hai guys this is the paper that came 2 me in my aptitude session. Dont mug up or fail to work on questions which will b of great blunder to ur score. Only 10 of the 38 questions are repeated all others are fully new & where some datas are also not given in critical reasoning part.

Here are some which i remember

1. which number of the series 65 33 17 !! 7 5
2. What is rate of transmission for a bucket of data N kb to b transferrred at a rate of .0001 bits/sec(similar to the old bucket sum which has the answer of 30 milliseconds)
3. What is the temperature rise b/w 4 pm and 9 pm in chennai at the rate $-t^2/6+4t+12$
- . Recursion of $g(n-2)+g(n-1)$ find $g(6)$ where $g(0)=g(1)=1$
5. venn diagram sum i dont know corect ques but it is a old one.
6. a,b,c has afuel loss of 30%,20%,40% what is the net fuel consumed.
7. A,B,C can finish awork in 4 days. A can do it in 12 days. b alone in 18 days. how much days does c take to do.
8. The plane travels from 32deg 10 degE to 42 Deg 70 deg W the plane lands at 2 am. it has travelled 10 hrs. What is the local time.
9. animal-lion=type of

these r some syn/anty i remember. I referred gre barrons book 12th edition eventhough the antonyms seemed to b tough

syn

mite,= ,tender=soft tenacious= exonerate=

antonyms

defiant,divident,appease, all are very high freq words

barchart

this is mainly based on the growth of the company some chart is given and u notice that is easy.

critical reasoning

some thing from barrons that is given which is heavy and inadequate in data some relation may b given and ques may b asked who is related with who? if a is the sister to b what will b C such ques willb given.

Then if premji want to select 4 plumbers and 2 electricians. The hiring mall has send 3 electrician and remaining plumbers. The they are olive ,miraj,varun. The plumbers are saji.varun,and som bla bla.....(i forgot it)

a is north west of b and south to c like that one sum is asked

Moreover there is a sum on widows system in Barrons twelveth edition which is asked My friend got the same problem in Model test in Barrons which 5 people speaking some eng,french,italian and who needs interpreter to communicate this is in 12 th edition.

I prepared well but bad luck led me to elimination in the first round be bold and confident vocabulary should be studied well.

TECHNICALLY sound as basics of c like they may say 2 write a

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fibonacci, strcmp, strrev, pascals triangle, diff b/w array and pointers, structure and union and real time application such as how tube light works such may b asked. So b sound in all aspect I am an electronics engg though i know some basic .

Forget the past and iam preparing for the next company wipro..... meet u with wipro ques bye bye!! Pray for me

TCS INTERVIEW ON 18th APRIL AT BHUBANESWAR

Hello Everybody I am Somjeet from KIIT, Bhubaneswar and I am giving some questions asked in TCS technical interview. This interview is the rejection process so be prepared for it.

I entered into the room and greeted the interviewer.

Interviewer: What r ur strengths?

Me: I am consistent over my career and I like Communication Engg. (They will ask questions from any topic, they don't give any preference to your fav subject)

Interviewer: So what is polymorphism? And write 2 programs to show the feature (both static & dynamic). Write the whole program and you r given 4 mins.

Me: Wrote a program on function overloading and another using virtual functions within 2 mins

Interviewer: He looked impressed and asked me what is Function overriding?

Me: Answered with no problem

Interviewer: What is a macro and what is bitfields?

Me: answered

Interviewer: difference between structure & union

Me: answered

Interviewer: difference between malloc, calloc & realloc

Me: answered with ease

Interviewer: what is a transducer and what is an opamp?

Me: Answered

Interviewer: What are the different stages of an Opamp?

Me: Drawn and explained beautifully

Interviewer: What is AM & FM and which is better?

Me: Defined and then said among the two both r useful according to our needs

Interviewer: He looked happy and thanked me?

Me: I greeted him and came back with a wide smile!

Be thorough with your basics and be well prepared with C, C++ and DS.

Even questions like Fibonacci series (both normally & using recursion were asked)

Quick sort, Merge sort, Selection Sort, Bubble Sort are the hot questions

For ETC people difference between Yagi-Uda antenna & normal antenna was asked.

A puzzle was also asked to some- using two 2s make 32. [22 in base 15]

HR

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This interview is rather a formality if u have done well in Tech interview. Mine was of about 2 mins.

They asked me about myself, my hobbies, why I like quizzing and Why TCS (be prepared for this)

The result was out at 11:00 pm and I was selected among the 297 students selected in KIIT. History was made as such a large number was placed on the first day

TCS PAPER ON 17th APRIL

Hi myself KHYATI PANCHAL I m a student of SVIT VASAD studying in 6th Sem ELECTONICS AND COMMUNICATIONS. I was really very passionate about TCS so I worked really very hard to get job at TCS. So first of all I want to share with u all about my aptitude exam.

APTITUDE EXAM:

The test is taken online. For this aptitude plz refer R S AGARWAL(QUANTITATIVE APTITUDE) and also VERBAL AND NON - VERBAL SECTION. Mainly for maths part refer the last years papers it would be quite helpful for u.

TECHNICAL INTERVIEW:

Our technical interview was at INFOCITY GANDHINAGAR. I was the third candidate for the interview. I was interviewed by two of the panels.

first of all they asked me to introduce myself.

Then they asked me about my project which I had done on DEW GUARD.

Also asked me to explain about my seminar on INTERRELATIONSHIP BETWEEN REMOTE SENSING AND GIS.

Then they tested my knowledge on programming side i.e. C and C++.

I was not so sure about the program but my logic was good.

then they asked me about difference between C and C++.

So my interview was over after 15-20 minutes. After that I got my results within 10 minutes. At 11:30 am I was relieved by knowing that I have cleared the technical interview.

HR INTERVIEW:

Our HR interview was going to start at 2:30 pm but due to some reasons it started at 4:45pm. But my HR interview was really very cool and calm. They made me quite comfortable and thus asked me about my hobbies and my liking to join TCS. Then I was also asked the meaning of my name. And so it was really a very good experience. But they didnt declared the results on that day. They told us that they would send it to our college. Next day when we moved to college we all were very desperate to know our results. Finally our HOD came at 1:30pm and announced the results. So at last my

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passion my hard work and also last but not the least by GOD's grace I achieved my goal at TCS.

Finally now I m selected for TCS. Plz do HARD WORK and have a POSITIVE ATTITUDE which would help u a lot.

TCS PAPER ON 12th APRIL AT BANGALORE

HI FRIENDS!!!!!!

FIRST OF ALL I WOULD LIKE TO SAY THANKS TO FRESHERSWORLD. IT HELPD ME ALOT TO GET IN TO ASIA'S BEST COMPANY.

I ALREADY GAVE MY WRITTEN TEST EXPERIENCE..... NOW I WOULD LIKE TO SHARE MY INTERVIEW EXPERIENCE..... .HOPE IT WILL BE HELPFUL FOR MANY WHO ARE ASPIRING TO BE IN TCS.....

THERE WERE 3 ROUNDS.....TECHNICAL,MR,HR.....

FIRST ROUND....

I WAS BIT TENSED ABOUT TECHNICAL.....I MENTIONED ONLY BASICS OF 'C' INMY RESUME.....AS IAM FROM ELECTRICAL.....

IT STARTED LIKE THIS.....

- 1.HOW ARE U ?
- 2.HAD UR LUNCH?
- 3.TELL ME ABOUT UR SELF?
- 4.UR WEEKNESS AND STRENGTH
- 5.ABOUT UR PROJECT?
- 6.EXPLAIN WITH A BLOCK DIAGRAM?
- 7.WHAT DO U MEAN BY LIVE PROJECT?(MY PROJECT WAS ALIVE PROJECT)
- 8.WHAT IS UR ROLE IN IT?
- 9.MANY QUETIONS ON IT.....
- 10.WHAT IS POINTER?
- 11.WHAT IS THE DIFFERENCE BETWEEN UNION AND STRUCTURE?
- 12.EXPLAIN WITH A PROGRAM?
- 13.WHAT IS STACK N QUEUE?
- 14.WXPLAIN INSERTION,DELETION OPERATIONS ON THEM?

THEN HE SAID THATS IT ,WAIT FOR OTHER ROUND.....I WAS HAPPY THAT I CLEARED TECHNICAL..... AFTER 45 MIN,I WAS CALLED FOR NEXT ROUND.....

SECOND ROUND:

- 1.U R FROM?

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- 2.TEL ME ABOUT URSELF?
- 3.WHAT DID U DO AFTER COMPLETION OF UR B.TECH?
- 4.DID U ATTEND ANY OTHER COMPANY?
- 5.WHY WERE U REJECTED THERE?
- 6.HE ASKED ME 2 PUZZLES(I DINT GET THE ANSWER BUT MY LOGIC AND APPROACH WERE CORRECT)
- 7.R U READY TO WORK IN ANY PLACE IN INDIA?
- 8.R U READY TO WORK IN ANY SHIFTS?(BASICALLY HE WAS CHECKING MY CONFIDENCE)
- 9.DO U HAVE ANY QUESTIONS?(I ASKED HIM 3 QUESTIONS)

HE ANSWERD VERY WELL.THEN ASKED ME TO WAIT OUT SIDE. I WAS LITTLE TENSED THIS TIME.....HE DINT GAVE ME ANY SIGN. HE WAS AN OLD MAN.LOOKED VERY EXPERIENCED.SO,I WAS NOT ABLE TO JUDGE HIS FACE FEELINGS.....I KEPT MY FINGERS CROSSED,STARTED PRAYING GOD TO HELP ME OUT.....

AFTER 10 MIN ,IWAS CALLED FOR THE NEXT ROUND.....OH.....IT MEANS I HAV GOT THROUGH THE SECOND ROUND.....I WAS DAM HAPPY.....THIS HAPPINESS GAVE ME MUCH MORE CONFIDENCE

THIRD ROUND:

THIS ROUND,THERE WERE 2 MEMBERS IN THE PANEL.... THOSE 2 MEMBERS AND MYSELF ENJOYED THE INTERVIEW.....

.HI VISHALA.....INTRODUCED THEMSELVES.... THEN I SAID HELLO AND GAVE A BROAD SMILE.....

- 2.TELL US ABOUT URSELF? THIS IS THE THIRD TIME I TOLD THE SAME
- 3.HAD UR LUNCH? NO SIR
- 4.THEN HAV THIS BISCUITS
- 5.HE OFFERED ME WATER
- 6.WHAT IS UR STRENGTH I SAID ITS MY CONFIDENCE
- 7.IF I ASK U TO JUMP FROM THIS WINDOW,WILL U?U SAID THAT U HAV CONFIDENCE

I SAID NO SIR,I CANT DO THAT.I HAV CONFIDENCE TO LIVE NOT TO DIE. THEY SMILED.....

8.ARE U READY TO WORK IN ANY PLACE IN INDIA THEN I SAID YES..... THIS IS CALLED AS CONFIDENCE HE SAID WITH A VERY BROAD SMILE.....

- 9.LADY :DO U KNOW ABOUT KBC THAT COMES IN STAR PLUS
 - 10.DO U KNOW AMITABH BACHAN
 - 11.DO U KNOW SHARUKH KHAN
 - 12.IF U WERE IN KBC SHOW AND WON THOSE 2 CRORES WHAT WILL U DO WITH THAT MONEY?
- I SAID I WIL GIV IT TO MY PARENTS

13.WHY?2 CRORES!!!!!!!!!!!!U WILL NOT TAKE SINGLE RUPEE? I SAID NO SIR,THEY STRUGGLED A LOT TO SEE MY FUTURE BRIGHT.....I WILL GIV IT TO THEM . IT SEEMED TO ME THAT THEY WERE IMPRESSED.....

14.IF WE REJECT U INTHIS ROUND WHAT U WILL DO?
I WLL CHECK WHERE IAM BEING LAGGED,CHANGE ALL THOSE STRTEGIES AND BOUNCE BACK TO TCS.....THERE WAS MILLION DOLLAR SMILE ON THEIR FACES.....I FELT THAT I DID IT.....

15.U WERE WAITING FOR A LONG TIME.....WHAT IS THAT GOING ON IN UR MIND?

FEEL REWARD WAITS FOR THOSE WHO WAITS..... I WAS WAITING FOR TCS CALL FROM TEN MONTHS.....WAITING FOR 4 HOURS IS A PLEASURE..... AGAIN A MILLION DOLLAR SMILE.....

16. WHY SHOULD WE RECRUIT U? I SAID IAM A HARD WORKER,AND ALSO A SMART WORKER

17.WHAT IS THE DIFFERENCE BETWEEN THEM,JUST SY IT IN ONE SENTENCE HARD WORKER WORKS FROM HIS HEART,SMART WORKER WORKS FROM HIS BRAIN..... THERE WAS SILENCE FOR A MINUTE.....

18.OK VISHALA,WAIT OUTSIDE.....HAVE A NICE DAY,ENJOYTHIS WAS THE SIGN THAT I CLEARED THE ROUND..... I SHAKED HAND WITH THEM, WISHED THEMWITH AVERY BROAD SMILE.....

AFTER 5 MIN I WAS CALLED AGAIN.....ONE MAN ASKED ME FROM HOW MANY MONTHS U WERE SEARCHING JOB.....

I SAID FROM 10 MONTHS.....WHAT U WILL DO ,IF U GET THIS JOB?

I WILL BE THE MOST HAPPIEST PERSON IN THE WORLD.....THEN HE SAID BE THE HAPPIEST PERSON I THE WORLD.....

HEY!!!!!!!!!!!!!!NOW IAM INTO TCS.....IAM DAM HAPPY.....HE GAVE ME A PAPER AND ASKED TO GO FOR A PREEMPLOYMENT MEDICAL CHECK UP.....

THAT IT FRIENDS!!!!!!!!!!!!!!THIS IS MY INTERVIEW EXPERIENCE!!!!!!!!!!!!!!NOW IAM IN ASIA'S NO1 COMPANY.....

ALL THE BEST FOR THE ASPIRANTS..... BE COOL,CONFIDENT.....THATS ITU CAN DO IT.....

TCS PAPER ON 11th APRIL AT BANGALORE

hi friends this is ravindra. After long search i selected for tcs.i will give guidance.

Writtentest

- 1)only prepare old papers which r given in freshersword.com for aptitude
- 2)for reasoning refer gre barrons 11th,or 12 or 13th or 14th.only refer last 5 model papers which have options more than 4.
- 3)for verbal prefer old papers first then if u have time then prepare grebarrons vocabulary. there is uppercut off also in tcs.so try to get (50-60) out of 82.

Technical:

Technical is main elimination round in tcs.so prepare well c(basics,basic programs like fibannaci,prime no,string reverse,factorial,piramid structure.....)

In Datastrucyure all algorithms belong to stack,que,linkedlist algorithms logic, searching&sorting algorithms r main important. oops concepts are main important. if u know sql it becomes advantage to u.if u know perfectly then only mention in resume.

for me he asked:

- 1.introduce ur self?
- 2.tell me about ur project?
- 3.some questions on project?
- 4.small program in c?
- 5.small program in java?
- 6.easy queries in oracle?
- 7.asked to display ur name in middle with footer in html?

i mentioned c,java(oops),html,sql in resume. at last he said keep smiling, be passitive bestof luck.i selected for mr round

MR

- 1)tell me about ur self?i said i am from kadapa.then he asked how much distance from bang?
 - 2)y u came for bang?not hyd?
 - 3)what u learn in these days?i said c,java.he asked about questions on these.
 - 4)tell me about ur project?
 - 5)what is ur role in project?after that explain how did?
 - 6)y u do not try for small company?
 - 7)tell me about ur family background?
 - 8)why u choose software?
 - 9)if ibm give 2 lakhs extra then what about ur openion?
 - 10)y u got less percentage in btech compared with 10th,inter?
 - 11)ur from ece how u helpful for our company?
 - 12)y u prefer tcs?
- after that he said bestofluck. then i went for hr.

HR

tell me about ur family background?

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why tcs?
why software?
what r ur hobies?
what about indian cricket team in world cup?he said it is worst team defeate with bangladesh? for this give passitive answer.
how ur feeling about tcs recruitment process?
what r u thinking about ur result?
if result is negative then what do?
then he said ur selected bestofluck.

ok friends all the best to all .

TCS PAPER ON 11th APRIL AT UTTAR PRADESH

HII MY SELF AMAN GUPTA FROM COMPUTER SCIENCE BRANCH.. TCS VISIT OUR COLLEGE S.R.M.S.C.E.T. BAREILLY (U.P.) ON 11th APR.. 228 STUDENTS WERE APPEARED IN THE ON LINE WRITTEN EXAM AND 175 STUDENTS CLEARED IT..
AMONG 175 APROX 85 STUDENTS CLEARED TECCNICAL INTERVIEW...
AMONG 85 STUDENTS 63 STUDENTS HAD FINALY SELLECTED....

I AM HAPPY 2 INFORM U THT I M NOW PART OF TCS!!!

written exam is divided in three part..

1) Verbal

2) Aptitude

3) Critical reasoning

it is very clear there is no sessional cut-off..

1)in this section 10ANTONYMS, 10SYNONYMS , and 2 reading comprehensive.
most of the antonyms and synonyms are from GRE BARRON'S high frequency word list...reading comprehensive were too toug 4 me..

2)In aptitude test there are 40 questions...please read the previous papers thoroughly ...pattern remains same only just data is changed...

some qs i have remembered are...

1) no of edge,phases,vertices in a cube (12,6,8)

2) which one is not the angle set of triangle.

1)(60,30,90) 2)(55,45,80) 3)(70,60,100)

3)find the missing term.

2,4,6,3,6,?,8,16. ans 9

4)largest prime no ofof 9 bit ans-509

5).If $G(0)=-1$, $G(1)=1$, $G(N)=G(N-1)-G(N-2)$, then find- $G(5)$

ans=-2

6) A may complete a work in 90 days ,A+B complete the work in 60 days in how many days B alone may complete the work. ans=180days

7)the base address(A[1][1]) of an int array A[7][5] is 1620 and int takes 4 byte to store in the memory then find out the address of A[5][2]. ans=1704

8).Select odd one out—
SQL Server,Ingress,Oracle,DB2,Java ANS=Java

9) Sybase,Windows NT,Linux,mvs,Java ANS=Java

10)@@+25-++@16, where @ denotes square and + denotes square root. ans=621

11)one qs on coding decoding bpmrl=aolqk ,sjile=?

12)one qs of time calculation of flight..

13)A=11010101
b=10101010
c=10001001
find the decimal value of (AU(b-c))

14)which one is a power of 4?
a)16384 b)15273 c)18538 d)17532 ans=16384

15)conversion of a given no into base 7.

16)m=sqrt(100n) if we increase the value of n by 1% then how much % te value of m change?? ans 0.5%

17)if M=mod ,R=round T=truncate then find the value of
M(463,5)+R(3.3)+T(7.9)+R(5.7) ANS:19

18) Which are orthogonal pairs?
a. $3i+2j$ b. $i-8j$ c. $2i-3j$ d. $6i-2j$ ans = A&C.

19)find the singular matrix?? ans=whose det value is 0.

20)there was one pi chart and 4 qs are baied on it...easy one

21)tere was one bar graph and 4 qs are baied on it... and so on....

3)CRITICAL REASONING....

ONLY STUDY THE MODEL PAPERS OF GRE BARRONS 12&13th edition only...
you have certainly got para among them..

TECH INTERVIEW...

1)TELL ME ABOUT UR SELF??

2)WHAT IS UR AREA OF INTEREST

(my ans is compiler and data structure)

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- 3)what is compiler?
- 4)what is laxical analysis..
- 5)what is tokens?
- 6)what are the phases of compiler?
- 7)write down the program of bubble sort.
- 8)what are the best and burst case complexity of quick sort.with example.
- 9)what is three address code.
- 10)why it is called three address code?
- 11)describe ur project.
(my projects are ->chat serer in java using socket programming. compiler construction in c)
- 12)what are socket classes and who it works.
- 13)what are threades.
- 14)what are applet.
- 15)difference between thest two loops working..

```
-----  
n=5  
for(i=1;i<=n;i--)  
printf("%d",i);  
-----
```

```
-----  
n=5  
for(i=1;i<=n;--i)  
printf("%d",i);  
-----
```

(ans both loops are same)

M.R+H.R.....

- 1)describe ur self?
- 2)tell me ur strengths and weakness.
- 3)wy u want to join tcs.
- 4)what do u know about our company?
- 5)how many times u have visited our web site?
- 6)do u know about our 2 year bound.
- 7)are u comfortable to go any where?

ok thaks..

when the resule announced my name was in the list..

TCS PAPER ON 11th APRIL

hai guys this is the paper that came 2 me in my aptitude session. Dont mug up or fail to work on questions which will b of great blunder to ur score. Only 10 of the 38 questions are repeated all others are fully new &where some datas are also not given in critical

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reasoning part.

Here are some which i remember

1. which number of the series 65 33 17 !! 7 5
2. What is rate of transmission for a bucket of data N kb to b transferred at a rate of .0001 bits/sec(similar to the old bucket sum which has the answer of 30 milliseconds)
3. What is the temperature rise b/w 4 pm and 9 pm in chennai at the rate - $t^2/6+4t+12$.Recursion of $g(n-2)+g(n-1)$ find $g(6)$ where $g(0)=g(1)=1$
5. venn diagram sum i dont know corect ques but it is a old one.
6. a,b,c has a fuel loss of 30%,20%,40% what is the net fuel consumed.
7. A,B,C can finish a work in 4 days. A can do it in 12 days. b alone in 18 days. how much days does c take to do.
8. The plane travels from 32deg 10 degE to 42 Deg 70 deg W the plane lands at 2 am. it has travelled 10 hrs. What is the local time.

9. animal-lion=type of these r some syn/anty i remember. I referred gre barrons book 12th edition eventhough the antonyms seemed to b tough syn mite,= ,tender=soft tenacious= exonerate= antonyms defiant,divident,appease, all are very high freq words barchart this is mainly based on the growth of the company some chart is given and u notice that is easy.

critical reasoning some thing from barrons that is given which is heavy and inadequate in data some relation may b given and ques may b asked who is related with who? if a is the sister to b what will b C such ques will b given.

Then if premji want to select 4 plumbers and 2 electricians. The hiring mall has send 3 electrician and remaining plumbers. The they are olive ,miraj,varun. The plumbers are saji.varun,and som bla bla.....(i forgot it) a is north west of b and south to c like that one sum is asked

Moreover there is a sum on widows system in Barrons twelveth edition which is asked My friend got the same problem in Model test in Barrons which 5 people speaking some eng,french,italian and who needs interpreter to communicate this is in 12 th edition. I prepared well but bad luck led me to elimination in the first round be bold and confident vocabulary should be studied well. Technically sound as basics of c like they may say 2 write a fibonacci,strcmp,strcmp, pascals triangle,diff b/w array and pointers, structure and union and real time application such as how tube light works such may b asked. So b sound in all aspect I am an electronics engg though i know some basic .

Forget the past and iam preparing for the next company wipro..... meet u with wipro ques bye bye!!Pray for me

TCS PAPER ON 10th APRIL AT BELLARY

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Hello Friends I am Vishwanath gouda B . I got selected to TCS .My written exam was on 10th April 2007,and technical round was held on 11th April 2007. 280 students were written the written test,out of which 80 of them are selected for technical round and finally after the technical, MR, HR round 38 were selected and I am one among them.

The pattern of question paper obtained to me is given below.It may be helpful to u.

I Written test:

The paper was as usual 3 sections

Verbal Ability

[Synonyms (10M) + Antonyms (10M) + Two passages are there each carries 6M (2 X 6 = 12)]

GRE Barron's is enough for this section

Some of the synonyms are

- 1.. sage
2. linger
- 3.admonish
- 4..crave
- 5.cannotation
- 6..stimulate
- 7.gay
- 8.Vacillate

II. Quantitative & logical

A plane moves from $9^{\circ}N40^{\circ}E$ to $9^{\circ}N50^{\circ}W$. If the plane starts at 5 am and takes 8 hours to reach the destination, find the local arrival time.

Since it is moving from east to west longitude we need to add both ie, $40+50=90$ multiply the ans by 4(here 1 deg longitude=4min)

$$90*4=360 \text{ min } =6\text{hr}$$

$$\text{So } 8-6=2\text{hr}$$

$$\text{Than } 5\text{am}+2=7\text{am}(\text{ans})$$

A, B and C are 8 bit no's. They are as follows:

$$A \rightarrow 11000101$$

$$B \rightarrow 00110011$$

$$C \rightarrow 00111010 \text{ (- =minus, u=union=or)}$$

\cap -and

$$\text{Find } ((A - C) \cup B) = ?$$

We have to find $(A-C) \cup B$ To find A-C, We will find 2's compliment of C and then add it with A, That will give us (A-C)

$$2' \text{ s compliment of } C = 1' \text{ s compliment of } C + 1 = 11000101 + 1 = 11000110$$

$A-C = 11000101 + 11000110 = 10001001$ Now $(A-C) \cup B$ is .OR. logic operation on (A-C) and B

$$10001001 \text{ .OR. } 00110011 \text{ The answer is } = 10111011$$

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Whose decimal equivalent is 187.

Which of the following is power of 4 a) 2345 b) 9875 c) 4096 d) 9833

(ANS C)

The size of a program is N. And the memory occupied by the program is given by $M = \sqrt{100N}$. If the size of the program is increased by 1% Then $M = \sqrt{101 * N}$

MATCH THE FOLLOWING

1)SCOOTER ----- AUTOMOBILE A. A PART OF

2.OXYGEN----- WATER B. A Type of

3.SHOP STAFF----- FITTERS C. NOT A TYPE OF

4. BUG -----REPTILE D. A SUPERSET OF

1)B

2)A

3)D

4)C

Match the following (similar to this)

1. Male - Boy ---> a. A type of

2. Square - Polygon ---> b. A part of

3. Roof - Building ---> c. Not a type of

4. Mushroom - Vegetables ---> d. A superset of

Ans: 1- d, 2- a, 3- b, 4- c

In Madras, temperature at noon varies according to $-t^2/2 + 8t + 3$, where t is elapsed time. Find how much temperature more or less in 4pm to 9pm. Ans. At 9pm 7.5 more

In equation first put $t=9$, we will get 34.5.....(1)

now put $t=4$, we will get 27.....(2)

so ans= $34.5-27=7.5$

Which of the following are orthogonal pairs?(data was changed)

a. $3i+2j$ b. $i+j$

c. $2i-3j$ d. $-7i+j$

ANS: (A)& (C).

(data was changed)In the word ORGANISATIONAL, if the first and second, third and fourth, fifth and sixth words are interchanged up to the last letter, what would be the tenth letter from left?

ANS I

Complete the series. 4, -5, 11, -14, 22, -- Ans: -27(similar Series)

2,3, ,6,6,9(ans-4)

(Momentum*Velocity)/(Acceleration * distance). Find units.

Ans: mass (Similar to this)

The size of the bucket is N kb. The bucket fills at the rate of 0.1 kb per millisecond. A programmer sends a program to receiver. There it waits for 10 milliseconds. And response will be back to programmer in 20 milliseconds. How much time the program takes to get a response back to the programmer, after it is sent? ANS: 30MILLISECOND

Number of faces, vertices and edges of a cube Ans: 6 8 12

1.JAVA 2.unix 3.solaris 4.linux (java)
1.smalltalk,eiffel,oracle, http (http) (similar to this)

WHICH WILL GIVE GOOD STANDARD DEVIATION (Data was Changed)

1. (3,0,-3,0,3,3) 2. (3,-3,3,-3,3,-3) 3. (3,0,-3,0,3,3) 4.(3,3,3,3,3,3) ans(2)

WHAT IS THE VALUE OF (Data was changed) $M(373, 10) + R(6.8) - T(3.4) + R(3.4)$
M- MODULAS R- ROUND OFF T- TRUNCATE

Ans(10)

One bar chart was given and 4 questions were based on that.
one set problem(ven diagram) with figure was there, on that 4 problems were based.
one curve was given which was e-x curve(I got the diagram which is related to the equation $y=x+3$)

In a two-dimensional array, $X(9,7)$, with each element occupying 8 bytes of memory, with the address of the first element $X(1,1)$ is 3000, find the address of $X(8,5)$.

largest prime no. in 6 bit computer. Ans:61($2^6=64$ the nearest prime is 61)

If $g(0)=-1, g(1)=1$ and $g(n)=g(n-1)+g(n-2)$. Find $g(6)$

Ans (3)

Find the singularity from a given set of matrices? (Hint $\det(A)=0$)

a) $\begin{pmatrix} 2 & 0 \\ 5 & -3 \end{pmatrix}$ b) $\begin{pmatrix} 4 & 6 \\ 3 & 4 \end{pmatrix}$ c) $\begin{pmatrix} 3 & 4 \\ 5 & -3 \end{pmatrix}$ d) $\begin{pmatrix} 3 & 4 \\ 5 & -3 \end{pmatrix}$

$\begin{pmatrix} 3 & 5 & -5 \\ 3 & 3 & 7 \\ 2 & 0 & 0 \end{pmatrix}$

a) c b) a c) b d) d (ans c)

A can copy 50 papers in 10 hours while both A & B can copy 70 papers in 10 hours.

Then for how many hours required for B to copy 26 papers?

a) 13 hrs b) 18hrs c) 12hrs d) 15hrs.(ans a)

A power unit is there by the bank of the river of 900 mtr width. a cable is made from power unit to power a plant opposite to that of the river and 3000 mtr away from the power unit. The cost of the cable bellows water Rs5 / mtr and cost of cable on the bank is Rs 4/ mtr. Find the pt where the cable cut through the river.

1.2800 2. 3000 3. 2100 4.3900

Ans: 2100

If A, B, C are the mechanisms used separately to reduce the wastage of fuel by 30%, 20%, 10%. What will be the fuel economy if they were used combine?

1)68.4 2)62.2 3)49.6 4)50.4 (ans 3)

Which shape will be obtained by using the following values for X and Y

X 0 10 100 1000 9999

Y 0.00001 1.02 1.72 3.00 4.72

Ans: $Y = \log_{10}(X)$

What is the value of the expression $\% \# \% (6) + \# \% \# (6)$

Where % means DOUBLING and # means change of sign

A sequence of letters is given. We've to find out how many V's are there under the condition that, S should be followed by V and should not be followed by F.....

V,S,F,T,W,E,L,B,V,S,L,L,K,S,V,F,M,S,V,,L,S,D,I,..... Like that(1)

III. Critical reasoning (12M)

In critical section there are three passages, each passage carries 4 marks.

PASSAGE1

LARGEUNIVERSITY J,K,L

SMALL COLLEGE M,N,O,P

WHICH REPRESENTS 3 GROUPS AMONG WHICH 2 SHOULD BE FROM LARGER UNIVERSITY .I REMEMBER THIS MUCH OF PASSAGE

PASSAGE 2:

BAASKET BALL PLAYERS HONORED FOR LUNCH THEY SHOULD BE SEATED ON THE DAIS ALONG ONE SIDE OF SINGLE RECTANGULAR TABLE,I REMEMBER THIS MUCH OF PASSAGE

PASSAGE 3:

ONE I GOT ABOUT SEATING ARRANGEMENT PASSAGE

TECHNICAL ROUND:

My interview was on 11th of april 2007

In my panel one gentleman. He took the interview to me. My technical was around 30 minutes. He asked the following questions.

1. Tell me about your self?
2. What are your favorite subjects?
3. What is the difference between C and c++
4. architecture of 8085 and 8086
5. clock frequency of 8085 and 8086 ?
6. what is amplitude, frequency modulation?
7. what is nyquist rate?
8. what is pointer?
9. what is thyristor?
10. what is triac and diac?
11. swap program?
12. what is structure , functions?
13. difference between 8085 and 8086?

14. what is communication?
15. why would u like to join tcs?
16. why should we hire you?
Then he asked me about my hobbies.

And I answered for the questions upto the mark Finally what I suggest is plz be cool and loose ur tense. Be straight and look into the eyes of interviewer . Show ur body language also.

M.R interview:

My interview was on 11th of april 2007 In my M.R panel also one gentleman I think interviewer was a project Manager. He was very friendly in nature. Don't think M.R is H.R round. It contains both tech & HR questions. Be prepared technical questions very well.

He asked me 2to 3 puzzle questions.

2. Tell me about yourself?
3. He asked my strengths?
4. I said one of my strength was good leader ship quality.
5. which are the places in the bellary to visit us?
6. what is ur weakness?
7. He asked me the hobbies?
8. he asked me the puzzles?

My H.R interview This is my final round in TCS

Here the interviewer were two ladies. I was cool and confident in answering the questions. Once again they asked about the strength, weakness, hobbies.

TCS PAPER ON 10th APRIL AT BANGALORE

Hai friends

I have recently attended tcs off campus recruitment drive in Bangalore . the venue is Karnataka arya maha saba my test is on 18th march in dr ambedker institute of technology .about test it is simple just study previous question papers available in the freshersworld . question book let was of 3 version x,y,z. x is much more simple than other 2. try to attend x. I cleared the test and my interview is on 10 th april

on that day there was 3 rounds

Tech, hr, mr.

Technical

For technical study the basics from your branch
introduce yourself?

Details of project and seminar [STUDY PROJECT AND SEMINAR IN DETAIL]

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I AM FROM ELECTRONICS AND INSTRUMENTATION ! SO THEY ASKED
WHAT IS INSTRUMENTATION?

What is ohm? Mho? Differentiate? How u can form a pcb?

Flipflops , xor gates ,transistors, powerdiodes.

Cdma,fdma,tdma techniques

Design of mode 10 counter [logics,steps only]

Steps of 8085 programing [logics STEPS ONLY]

What is darlington pair? And lots of simple questions

I ansered all questions

Tech was over and he forwaded me to hr

HR interview

In hr he asked me about the duration of the projects? Actually we done the project in 2 months ! he asked me why such duration we had already planned to do the project in 1 month. I told in a group there will be good as well as bad perfomers to make bad perfomers as good perfomers it will take time. Hr was so impressed and he forwaded me to mr.

MR interview

In mr they asked about my name ,place and family and told me that u have been selected and hr will be contacting u with in 3 days! But they did not contacted me! And When the result came I was forced to realize that “ I WAS REJECTED”

TCS INTERVIEW PATTERN ON 10th APRIL

HI FRIENDS!!!!!!!!!!!! This is Rupam Mukherjee alongwith Parikshit Dutta from NIT DURGAPUR en route to TCS. TCS visited our institution on 9th and 10th april. It was awarded the first slot.I,RUPAM is from CHEMICAL and Parikshit is from MECHANICAL. so,

the selection procedure consisted of three parts: first it was the written test called the TCS talent test followed two rounds of interview christened as 'TECH' round succeeded by the MANAGEMENT round.Frankly speaking we didnt prepare anything for the test.Prepare the vocabs and few quants from the recent papers.That suffice ur purpose.Quantitative aptitude is very easy and r mostly of class 10 level and nyways....he he...they are mostly marked earlier b'coz the same paper is circulated in all the colleges.Moreover no need to prepare a CV because they provide with a personal data form and it is all that counts.Here r the questions asked in the interview.....aproxx 45+15 mins (total)

I:which companies come here?

R: named a few..

I: describe CONDUCTION..

R:described wid a diagram..

I: described distillation column..
R:fumbled...

I: How is petrolium refined..
R: told dat hasnt been covered yet..

I:write a C program printing name..
R:wrote...

i cleared the tech round and advanced to the M.R round in the afternoon.....

I; tell me abt urself..
R: told too much...

I: asked something on my weakness..
I: whos favourite actress..
R:ash..

I: but she s gettin married..
R: i ll still get her after 10 yrs..

I: why chattin in internet..
R: sir, it s far more SPICY..

the person laughed heartily and i ws sure i ll clear it and later in the it ws rejoicing time for me....best of luck to u all...v ll meet in TCS...stay confident,cool and...do not forget to shake hands.

TCS PAPER ON 9th APRIL AT DURGAPUR

I am not sure about the exact questions... I don't remember them and the figures exactly... moreover, after placement had exams... so I will just look for the type of questions that were there in the written... not with exact figures and sequence etc... sorry...

section 1: Verbal ability

10marks: synonyms
(not much of a problem as options will be provided...)

10marks: antonyms
(same as synonyms...)

2X5=10marks: reading comprehension

(one passage was easy and the other was too tough... so I basically left it for the end... and then just ticked marked by guess work... no negative marking!!! 1mark=1ques...)

section 2: Aptitude

(30 marks if I am not wrong... some of the questions were like... don't worry... there will be options for all... so that u can verify ur answers... though I don't remember them...)

1. series.....3 8 15 24 ?
2. for the word SENSATIONAL, if you interchange 1st letter with 2nd ,3rd with 4th n so on what will be the 10th letter from right..?
3. if A = 0 1 0 1 0 0 0 1
B = 0 0 0 1 1 0 1 0 0
C = 0 1 1 0 0 1 1 1 0
what is (A U B)U C ?
4. in which system, is the decimal number 384 equal to 1234?
5. in a two-dimensional array, X(7,9), with each element occupying 4 bytes of memory, with the address of the first element X(1,1) is 3000, find the address of X(5,8)?
6.

x	y
0.99	0.001
9	0.9
99	1.998
999	3

If $y = f(x)$ find $f(x)$?
7. what is the value of $M(373, 5) + R(7.8) - T(6.4) + R(3.4)$
M- modulus R- round-off T- truncate
8. given the length of the 3 sides of a triangle. find the one that is impossible.
9. A power unit is there by the bank of the river of 900 meters width. A cable is made from power unit to power plant opposite to that of the river and 3000mts away from the power unit. the cost of the cable below water isRs.4/- per meter and cost of cable on the bank is Rs.5/-per meter. What is the distance of the power plant from the other side of the river? (careful!!! Not the cost of laying the cable!!!)
10. Match the following:

a. Brake, car	a type of
b mother, women	a superset of
c. eagle, dog	a part of
d. mushroom, vegetable	not a type of
11. a flight takes off at 2 A.M from 32 N 40 E and travels for 9 hours to reach the destination which is at 12 N 50 W. Find the local time of destination when the flight reaches there.
12. find units: $(\text{Momentum} * \text{Velocity}) / (\text{Acceleration} * \text{distance})$
13. Select the odd one out a. Java b. Lisp c. Smalltalk d. Eiffel. e. Fortran
14. if XUPLVH is written as SURMISE, what is SHDVD?

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15. select the odd one out a. SQL b. DB2 c. SYBASE d. HTTP e. Ingress
16. $g(0)=1$, $g(1)=2$ $g(n)=g(n-1)-g(n-2)$
find $g(6)$.
17. no of edge, faces, vertices in a cube.
18. a may complete a work in 90 days ,A+B complete the work in 60 days in how many days B alone may complete the work
19. $@@+25-++@16$, where @ denotes square and + denotes square root.
20. Which are orthogonal pairs?
a. $3i+2j$ b. $i-8j$ c. $2i-3j$ d. $6i-2j$
21. The size of the bucket is N kb. The bucket fills at the rate of 0.1 kb per millisecond. A programmer sends a program to receiver. There it waits for 10milliseconds. And response will be back to programmer in 20 milliseconds. How much time the program takes to get a response back to the programmer, after it is sent?
22. which will give good standard deviation
1. (3,0,-3,0,3,3) 2. (3,-3,3,-3,3,-3) 3. (3,0,-3,0,3,3) 4.(3,3,3,3,3,3)

(that is all I can remember... there were 8 more questions that I can't recall...)

section 3: Reasoning

(again 2 pie charts... some eat sandwiches, some burgers, some something else... and one more was language speaking one... so $2X6=12$)

the total paper was of 72 marks... I attempted 40 correctly... and the rest were not sure guesses... the cut off was pretty low... probably around 30

TCS PAPER ON 8th APRIL AT HYDERABAD

HI FRIENDS

DO U WANT TO ATTACK TCS PAPER. THE PAPER IS REALLY VERY EASY. WAT U SHD DO IS TO GO THROUGH THE PREVIOUS PAPERS. THE PATTERN IS AS FOLLOWS

U WILL HAVE TO DO 3 SECTIONS

VERBAL

APTITUDE

CRITICAL REASONING

VERBAL PART CONSISTS OF SYNONYMS AND ANTONYMS. PREPARE FRM PREVIOUS PAPERS. OR ELSE U GO THROUGH BARRONS WORD LIST WITH WORDS STARTING WITH LETTERS A,P,S,R,T,C .THIS PART ALSO CONSISTS OF READING COMPREHENSION WHICH MOST OF U THINK THAT IT IS DIFFICULT. BUT U CAN DO IT WELL IF U GO THROUGH THE BARRONS RC

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EXERCISES. DON'T ANSWER ALL THE Q'S.
INNOCUOUS
COMPOSURE
CANDID
RINALE

SORRY FRNZ I DON'T REMEMBER ALL THE WORDS. BUT THEY R EASY TO ANSWER. RC IS ABOUT "BLACK AMERICAN REVOLUTION" .THIS IS FRM BARRONS 12TH EDITION.

U WILL HAVE TO DO SENTENCE COMPLETION TOO. I GOT ABT "FUNGUS".
YTHIS IS ALSO FRM BARRONS 12 TH EDITION.

APTITUDE SEC IS VERY EASY.SAME Q'S FRM PREVIOUS PAPERS BUT SOME CHANGES IN NUMBERS. ANSWER AQL, THE Q'S.NO PROBS.

THIS SEC IS VERY IMP. GO THROUGH BARRONS 5 MODEL TESTS FOR THIS. ONLY 12 TH EDITION BARRONS .BUT DON'T ANSWER ALL THE Q'S .U MAY BE DISQ.LEAVE 4 -5 Q'S.

I WAS SHORT LISTED FOR THE INTERVIEW ON 21 ST .FRNZ I THINK THIS PAPER REALLY HELPS U.
ALL THE BEST.

TCS INTERVIEW PATTERN ON 7th APRIL AT HYDERABAD

Written test was very easy .if v wil prepare aptitude from previous papers tats enough. n v shd prepare critical reasoning from gre Barron's book n even English paragraph is available in that book (A,B,C,D,E)at the starting. Shd read all test papers for critical reasoning..

I would like to share my interview experience with u all. For me they combined both technical n mr round

The person interviewed me was really cool.

The questions r

1.Tell abt ur self

2.Tell abt ur project. I explained my project with block diagram .he was satisfied . i asked him whether he understood it he told yes.

3.he asked me to write a program so tat if v enter the marks of students they get grade a b c. tat is if the student gets more than 80% then he shd b given rank a n if between 70% n 80% thn b n below 70% is c I did it using if elseif n else for the three grades.

4.asked me to draw the flow chart for the program.

5.if a hollow cube of 8 cms is given .n a cube of 1 cm is to b filled in the hollow cube thn hw many such 1 cm cubes r required to fill it .

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ans is 8^3

because that is the formula for volume of a cube.

6. he asked me that if the cube is painted all the sides then how many cubes are there without any side painted.

Ans is 6^3 . he asked me the approach. I told him I counted and told it.

7. what do you know about TCS?

8. what is data?

9. any questions?

Here I asked what are the steps they are taking to make TCS to be global top 10 by 2010?

He answered .

Then in hr.

Here she asked me the below questions.

Tell about yourself?

Tell about your family?

What all questions did they ask you in your technical interview?

What did you do all these months?

Any questions?

Here I asked what all technologies TCS is using.

Now what all technologies will they provide training for us.

It all depends on our luck who will interview us.

By God's grace I completed all the rounds. Now I am waiting for my results.

Thanks and regards,

veena

TCS PAPER ON 4th APRIL AT KOLKATA

Hi boys & girls I am Sudipto. I am selected for TCS. I want to share my experience with all of you.

APTITUDE TEST: 4th April

It is easy if you solve previous papers. There are 3 different papers X, Y, Z. They are X < Y < Z in terms of luck.

There are 3 parts :

1 VERBAL :- you have to learn many words as you can (in Z set words are not so easy) a passage which you have to rearrange & a passage you have to answer some questions

2 ANALYTICAL :- easiest

3 REASONING :- easy if you solve BARRON'S GRE 12th edition

After aptitude we have to fill up a FORM there is everything about me.

TECHNICAL ROUND: 5th April

I am a student of Mechanical. In my technical I have faced these questions

Tell about yourself?

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Thermo is ur one of the favorite sub(It is in the form) So tell me what is entropy?
What is enthalpy? (not eqn want 2 know physical signi.)Tell me the 1st law?

He give me 2 draw a simple bending moment dia and want 2 know abt apron mechanism

I mention I know C(FORM)

What is mean by & its full form

What do u mean by header file & library func ?

What do u mean by odd and even loop? give ex.

Write down the syntax of printf , scanf , for & while loop?

What is array? How 2D array is written? What is pointer?

How address is denoted?

Last of all he ask me why I want 2 join s/w? (prepare this ques. Well)

HR & MR ROUND: 5th April

Tell about yourself?

Why U want 2 join TCS(say about company profile)?

So ur 1 of the hobby is traveling Where did u go last? With whom? (don't try 2 lie)

Net surfing is ur 1 of the hobby so in which site do u go most? Wikipidia

Why? What is the best feature it has? U can edit & give article if u r right u will be
uploaded(impressed)

Do u attend PPT? y

Tell me 5 features of TCS?answered(impressed)

Who has the most influence in ur life? & in which way? Dou know all the aggrement?y

R u agree?y

Do u go anywhere in INDIA ? Y

Do u go anywhere in WORLD? y

So thank u ur interview is completed u can go & wait for result best of luck

Result published on 7th April

Finally I am selected & wish all of u best of luck U should show cofi. during HR&
MR

TCS PAPER ON 3rd APRIL

Hi friends, this is Debashis Dan of CSE from Siddaganga Institute of Technology,
Tumkur, near Bangalore. TCS came to our college on 2nd, 3rd April.

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Total no of eligible candidates : 509
Cleared written : 284
Finally selected : 195

Eligibility criteria in our college : 60% in 10th, 12th, engg.. 2 current backlogs allowed.
Pay : 3.15 lacs per annum

APTITUDE TEST :

The aptitude test was online. Consisting of 3 sections.
verbal : 10 synonyms, 10 antonyms , 12 sentence completions.
TOTAL TIME : 20 mins

Some of the words i remember are : (inclusive of synonyms n antonyms)
indigenous,
latent,
stifle,
raucous,
mitigate,
minion,
tortous,
infallible,
assuage.

Suggestion : For this section do all previous year TCS words. But this is not always enough, coz i got some difficult words other than these which were not there in previous year papers. if u've time, better do the wordlists (750 words or so) from barrons... i mean the exercises given.

Sentence completion consisted of 2 passages :

Passage 1: relating to dust harming machines in a factory & its adverse effect on our health...

Passage 2: Investing in shares...

Here there was blanks in the passage where we had to insert the appropriate sentence from the list of given options. Each passage had 6 such blanks to be filled.

Suggestion : My sincere suggestion is dont waste more than 4 - 5 minutes on synonyms n antonyms. coz, sentence completion takes a hell lotta time as all the options given are nearly similar n confusing. But u can easily score well in this sent comp part if u do carefully.

quantitative : 32 questions, 40 mins

Suggestion : For this part do prev year papers very well. almost 90% common questions came. some questions had the data a bit changed.

some which i remember are :

1. whats the largest prime no. that can b stored in an 8-bit memory?
2. In the word SENSATIONAL 1st letter is interchanged with 2nd, 3rd with 4th, 5th with 6th and so on. what is the 10th letter ?
3. In a 2D array, X(9,7) with each element occupying 2 bytes of memory, find the address of X(8,5). Given address of X(1,1) is 3000.
4. Select odd one out : Windows NT, Linux, C++, (some other operating system.. cant recall its name)
5. Select odd one : Oracle, Linux, Ingress, DB2
6. A man n child can do a work in 6 days. Man can alone do it in 24 days. How long will the child take?
7. Convert 342 (in decimals) to base 5.
8. No. of faces, vertices n edges of a cuboid is : ?
9. If M denotes modulus, R denote round off, T denote truncation, the find the value of :
$$M(373,5) + R(3.4) + T(7.7) + R(5.8)$$
10. $G(0) = -1, G(1) = 1, G(n) = G(n-1) + G(n-2)$. then $G(5) = ?$
11. at a particular place the temperature varies as $t^2/2 + 8t + 3$. where t is elapsed time. find the temp difference between 6 pm and 9 pm.
12. which of these set of angles doesnt represent a triangle : a) 90,60,30 b) 50,100,30 c) 67,22, 90
13. Complete the series : (sorry friends, i forgot the series)
14. which is a power of 2 among the following : a)2068 b) 2048 c)2668
15. A, B and C are given as :

$$A = 11011011$$

$$B = 01111010$$

$$C = 01101101$$

Find the decimal equivalent value of $(A \cup B)^C$ where \wedge denotes Intersection

16. A, B, C are mechanisms used separately to reduce fuel wastage by 30%, 20% and 10%. What'll be the fuel economy if they were used combined?

17. Find the singularity matrix out of the following: (sorry, don't remember the options)

18. If \$ means tripling and % means change of sign, then find the value of:

$$3\%9 - \$9$$

19. Some questions with Venn diagram where people speaking Hindi, English & Bengali were given. 3 questions were asked like how many speak Hindi and not English, how many total people were there etc...

20. 3 questions were given on data interpretation using a bar chart and a pie chart.

Critical reasoning: 3 passages, 12 questions, 30 minutes

Suggestion: Do all the 250 critical reasoning passages from Barron's 12th or 13th edition model test papers 1 to 5. You'll get 100% common questions. Names may be changed...

My passages were:

1. Armenian, Latin, Celtic language courses.....
2. Big university, small college 3 member team. 2 representatives of the big university.....
3. Seating arrangement....

It's observed, they always give 2 easier and one harder critical reasoning passage.

HEY GUYS, IF YOU HAVE AN ONLINE TEST, & IF AFTER THE EXAM YOUR PSYCHOMETRIC WINDOW OPENS UP ON THE SCREEN BE ALMOST SURE THAT YOU HAVE CLEARED THE APTITUDE TEST. Otherwise also you can get selected depending on relative performance, but this is an almost instant indication...

TECH INTERVIEW:

1. Tell me something about yourself...
me: am from Kolkata, schooling... extra curricula... various organizations that I am a member of in college... course in fine arts... fav subjects... He stopped me mid-way
2. How'll you insert an item in a doubly linked list?
3. Diff between doubly and singly linked list
4. Tell me about the complexity of bubble sort and explain bubble sort method
5. Tell me about your project. (mine was 2-pass assembler)
6. What happens in these 2 passes?
7. You're given a number X, you've to divide it by 256 without using any arithmetic operator. How'll you do it?

(Hint: convert it to binary, and then shift 8 places rightwards... as 2^8 is 256)

8. Can you write a C program for this?

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i said sir am very stressed out now... i'll take a bit time. he smiled n said "ok debashis, u can go. it was nice talkin 2 u. the HR will get back to u soon."

MR INTERVIEW:

1. seeing my resume, he said u r a bengali huh... so do u like oily food?

i said sir to me its the food tht matters not the quantity of oil in it. he smiled....

2. Tell me something about the Nandigram issue in west bengal n whts ur views on it?
i told

3. Are u for or against the creation of SEZs?

i replied in for...

4. Tell me the full form of SEZ?

me: socio-economic zone . he started laughing. (actually it is Special economic Zone)

5. speak on any topic of ur choice for 2 mins. u can sit or stand.

i said i would prefer 2 stand. i spoke upon " should mobiles be banned in offices"

6. any question for me?

i asked sir in PPT we were told something called "assurance systems", can u pl brief me a bit about it.. he didnt know the answer. he said u can keep this question for the HR in the next round

HR INTERVIEW:

its just a formality. she asked me about myself. the explained me about the 2 year bond breaching of which will lead to a fine of 50,000..also asked if am willing to work anywhere in india.. i said yes. Thts it....

TCS PAPER ON 1st APRIL AT BHUBANESWAR

KIIT has created history with TCS.

TOTAL STUDENT APPEARED:- 590

WRITTEN QUALIFIED:- 470

FINALLY RECRUITED :- 297 (50% OF TOTAL APPEARED STUDENT)

FIRST SECTION:- there were 3 set x,y,z.trust me they donot change question of set because before coming KIIT they came some college of Bhubaneswar so in my question paper answer was marked.

32 Q from english(10 synonym+10 antonym+6 fill in the blank + 6 R.C)

some question from set x

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quixotic:-paragmatic(ant)
galleon:-ship(syn)
garrulos:- talktive(syn)

38 Q MATHS (previous questions are sufficient)

12 Q I.R.(12TH Edition baron guide)

My question was 1. brown red (model 1)

2. path way a b c(model 1 question 1)

3. language based if a know spanish and italian , b knows italian and french)

2nd ROUND(TECH+ H.R.):-

1. tell abt urself
2. i have gud CGPA (9.01) so asked my rank in class
3. asked reason for less marks in 12th
4. goal of the life
5. single question from tech " what is inheritance"
6. asked abt my study " how it is going on."
7. why TCS

3rd ROUND(M.R.)

1. tell abt urself
- 2.why less marks in 12th (gave proper reason)
3. my strength
4. my weakness
5. any bad habbit
6. why I.T.

one thing if u r technically sound no one can stop u to get into the TCS.then comm skill doesnot matter alots . so if anyone is very good in tech and his/her comm skill is not so gud then donot worry trust me go confidently and try to turn them towards ur tech skill. Finally from god`s grace my name was called in selected student list.

NOW I AM TCS EMPLOYEE.

ALL THE BEST(From all KIITIANS) !!!!!!!!!!!!!!!

TCS PAPER ON 31st MARCH AT ORISSA

hi my self makareswar from igit sarang .my branch is mca .i have selected by tcs ,have a great experience with tcs delegates.

do not worry for written test.it will very easy if ll prepare the previous year questions.
it has three section

1:verbal

2:aptitude

3:critical reasoning

remember there is no sectional cutoff n no negative marking. prepare carefully for technical interview. it is only critical section 4 u.... prepare from gre Barron's test models. there was two passages from gre test model no 4,16th edition.in critical reasoning section all questions from gre..for exam red. brown problem from 12th edition..

some technical questions i was asked..

1.tell me some thing about u?

2.r u know c?

3.what is ptr..(with a prog)?

4:memory mngt by c?

5.what is free()?

6.what lines r u interested.. i told for system software..but they were not interested.

7.what is oops?

8:r u know java?

9.what is multiple inheritance?

10.diff btn c and c++?

11,why c not c|++..why c++ not c?

12.what is fifo n lifo.

13.diff btn stack and q?

14.sdlic? 15.models? 16.waterfall life cycle?

18 dbms n rdbms with examples...

19:is java support multiplre inheritance..

20.what r the skills for a project manager..etc

HR QUESTIONS:

1.Express ur self?

2.why u think u r perfect in this line?

3.what lines ur interested..

4.why mca

5.why igit?

6.about other it company

7.about bond.. etc

prepare all these questions ,,it was my 1st interview n i was called first for technical interview on that day..n finally i selected by tcs... go throw baron`s guide n tcs previous yr questions..n read thoroughly.

TCS PAPER ON 22nd MARCH , AGRA

Hi, friends, this is nipun srivastava frm Hindustan College Mathura.I was selected in TCSi m sharing u my xperinc to get u thru

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Verbal Sec.:-32 Q-20 min

Quant. Sec:- 45 Q-40 min

Critical Sec:-12 Q -30min

Total 1hrs 30min.....on line test

NO SEC. CUT OFF

total appeared:-312(approx.)

apti. cleared:-210(approx.)

tech. interview cleared:-100(approx.)

finally selected:-69

1.Verbal sec..

16-antonyms

9-synonyms

7-fill in the blanks(there was a comprehension given wIth 7 blanks and we hav to fill wd appr. options)

Many of my friends got the syn.& ant. frm previous yrs papers but i was unlucky i didn't know any of them.

2.Quant. sec..

all the q's were frm previous yrs papers so need to worry on this sec. just go thru previous papers...

this is the easiest sec. u can score.....

3.Critical sec....

there were 3 paras tataly frm barron's 12th editionlast 5 model test paper

1. was about blood relationship

2. it was about 8 ministers which hav to seated in a tableministry of agriculture...PM.....,defence etc.

3. it was of dogs 5 dogs which hav to related to their owners & their names .

This sec.was also dam easy & if hav practicsd a lot u can easily crack it.....NO need to wry for apti. test it is easiest of all apti. papers...

TECH. INTERVIEW

it was started wd

1.somthin abt yrsrlf

2.do u know C

3.write fibonacci series (&some basics of C)

4.convert a decimal no. into hexadecimal.

TAKE PRECAUTIONS:- Yr folder should b well maintained they pay a lot of emphasis on yr extra curricular activities

as this is a company of gr8 values.

MR INTERVIEW

it was a stress interview for us

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they ask nothing but talk about signing the bond etc.....,so dont wry. so always b prep. for itsometimes they take only mr round and hr round is skipped .so don't worry if u hav given mr &haven't got a call for hr .

TCS PAPER ON 19th MARCH

HI FRIENDS I AM RAHUL RASHU PLACED IN TCS HERE ARE THE QUESTIONS
THE TEST CONSISTS OF 3 SECTIONS

SECTION 1

THIS SECTION CONSISTS OF 10 SYNONYMS AND 10 ANTONYMS
ALL THE QUESTIONS ARE FROM BARRON BOOK YOU MUST BE THOROUGH
WITH THE HIGH FREQUENCY WORDS AND YOU MUST SOLVE PREVIOUS
YEARS PAPERS .

SOME OF THE WORDS WHICH I REMEMBER AM GIVING FOR YOUR
REFERENCE

1. INFIRM
2. DRUDGERY
3. DEADBEAT
4. ENERVATE
5. PRAGMATISTIC
6. MASTHEAD

SORRY FRIENDS I REMEMBER ONLY THIS MUCH WORDS BUT YOU MUST
BE THOROUGH WITH THIS SECTION
FOR THIS BE CAREFUL. OTHER THAN THIS ONE PASSAGE WAS THERE IT
WAS ALSO FROM BARRON. I AM MENTIONING YOU THE PAGE NUMBER 443
16TH EDITION MODEL TEST NUMBER 1. OTHER THAN THIS ONE
PARAGRAPH FOR FILL IN THE BLANKS WAS ALSO THERE WHICH I DON'T
REMEMBER FROM WHERE THEY COLLECTED BUT IT WAS EASY SO YOU
CAN SOLVE THAT ON THE SPOT ALSO.

SECTION2:

THIS SECTION WAS FOR SIMPLE APTITUDES FOR THIS JUST GO THROUGH
R.S.AGARWAL AND SOLVE PREVIOUS YEARS PAPERS SOME OF THE
QUESTIONS WHICH I REMEMBER I AM GIVING YOU

1. In a two-dimensional array, X (9, 7), with each element occupying 4 bytes of memory, with the address of the first element X (1, 1) is 3000, find the address of X (8, 5).

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2. In the word ORGANISATIONAL, if the first and second, third and forth, forth and fifth, fifth and sixth words are interchanged up to the last letter, what would be the tenth letter from right
3. What is the largest prime number that can be stored in an 8-bit memory?
4. Select the odd one out. a. Java b. Lisp c. Smalltalk d. Eiffel.
5. Select the odd one out a. SMTP b. WAP c. SAP d. ARP
6. Select the odd one out a. Oracle b. Linux c. Ingress d. DB2
7. Select the odd one out a. WAP b. HTTP c. BAAN d. ARP
8. Select the odd one out a. LINUX b. UNIX c. SOLARIS d. SQL SEVER
9. Select the odd one out a. SQL b. DB2 c. SYBASE d. HTTP
10. The size of a program is N. And the memory occupied by the program is given by $M = \text{square root of } 100N$. If the size of the program is increased by 1% then how much memory now occupied?
11. A man, a woman, and a child can do a piece of work in 6 days. Man only can do it in 24 days. Woman can do it in 16 days and in how many days child can do the same work?
12. In which of the system, decimal number 384 is equal to 1234?
13. Find the value of the 678 to the base 7.
14. Number of faces, vertices and edges of a cube
15. Complete the series 2, 7, 24, 77, ___
16. Find the value of $@@+25-++@16$, where @ denotes "square" and + denotes "square root".
17. Find the result of the following expression if, M denotes modulus operation, R denotes round-off, T denotes truncation: $M(373,5)+R(3.4)+T(7.7)+R(5.8)$
18. If TAFJHH is coded as RBEKGI then RBDJK can be coded as -----
19. $G(0)=-1$, $G(1)=1$, $G(N)=G(N-1) - G(N-2)$, $G(5)= ?$
20. What is the max possible 3 digit prime number?
21. A power unit is there by the bank of the river of 750 meters width. A cable is made from power unit to power a plant opposite to that of the river and 1500mts away from the power unit. The cost of the cable below water is Rs. 15/- per meter and cost of cable on the bank is Rs.12/- per meter. Find the total of laying the cable.
22. The size of a program is N. And the memory occupied by the program is given by $M = \text{square root of } 100N$. If the size of the program is increased by 1% then how much memory now occupied?
23. In Madras, temperature at noon varies according to $-t^2/2 + 8t + 3$, where t is elapsed time. Find how much temperature more or less in 4pm to 9pm .
24. The size of the bucket is N kb. The bucket fills at the rate of 0.1 kb per millisecond. A programmer sends a program to receiver. There it waits for 10 milliseconds. And response will be back to programmer in 20 milliseconds. How much time the program takes to get a response back to the programmer, after it is sent?
25. A man, a woman, and a child can do a piece of work in 6 days. Man only can do it in 24 days. Woman can do it in 16 days and in how many days child can do the same work?
26. If the vertex (5,7) is placed in the memory. First vertex (1,1) 's address is 1245 and then address of (5,7) is -----
27. Which of the following are orthogonal pairs? a. $3i+2j$ b. $i+j$ c. $2i-3j$ d. $-7i+j$
28. If VXUPLVH is written as SURMISE, what is SHDVD?
29. If A, B and C are the mechanisms used separately to reduce the wastage of fuel by

- 30%, 20% and 10%. What will be the fuel economy if they were used combined.
30. What is the power of 2? a. 2068 b.2048 c.2668
31. Complete the series. 3, 8, --, 24, --, 48, 63
32. Complete the series. 4, -5, 11, -14, 22, ---
33. A, B and C are 8 bit no's. They are as follows:
A 1 1 0 1 1 0 1 1
B 0 1 1 1 1 0 1 0
C 0 1 1 0 1 1 0 1
Find $((A-B) \cup C) = ?$
Hint : $A-B$ is $\{A\} - \{A \cap B\}$
34. A Flight takes off at 2 A.M from northeast direction and travels for 11 hours to reach the destination which is in north west direction. Given the latitude and longitude of source and destination. Find the local time of destination when the flight reaches there?
35. A can copy 50 papers in 10 hours while both A & B can copy 70 papers in 10 hours. Then for how many hours required for B to copy 26 papers?
36. A is twice efficient than B. A and B can both work together to complete a work in 7 days. Then find in how many days A alone can complete the work?
37. A finish the work in 10 days. B is 60% efficient than A. So how days does B take to finish the work?
38. A finishes the work in 10 days & B in 8 days individually. If A works for only 6 days then how many days should B work to complete A's work?
39. Given the length of the 3 sides of a triangle. Find the one that is impossible? (HINT : sum of smaller 2 sides is greater than the other one which is larger)
40. Find the singularity matrix from a given set of matrices?(Hint $\det(A) \neq 0$)
41. A 2D array is declared as $A[9,7]$ and each element requires 2 byte. If $A[1,1]$ is stored in 3000. Find the memory of $A[8,5]$?
42. Sum of slopes of 2 perpendicular st. lines is given. Find the pair of lines from the given set of options which satisfy the above condition?
43. (a) $2+3i$ (b) $1+i$ (c) $3-2i$ (d) $1-7i$.Find which of the above is orthogonal.
44. $(\text{Momentum} \times \text{Velocity}) / (\text{Acceleration} \times \text{distance})$ find units.
45. The number 362 in decimal system is given by $(1362)_x$ in the X system of numbers find the value of X a) 5 b) 6 c) 7 d) 8 e) 9
46. Given \$ means Tripling and % means change of sign then find the value of $\$ \% \$ 6 - \% \$ \% 6$
47. My flight takes of at 2am from a place at 18N 10E and landed 10 Hrs later at a place with coordinates 36N70W. What is the local time when my plane landed.
a) 6:00 am b) 6:40am c) 7:40 d) 7:00 e) 8:00 (Hint : Every 1 deg longitude is equal to 4 minutes . If west to east add time else subtract time)
48. Find the highest prime number that can be stored in an 8bit computer.
49. Which of the following set of numbers has the highest Standard deviation?
1,0,1,0,1,0
-1,-1,-1,-1,-1,-1
1,1,1,1,1,1
1,1,0,-1,0,-1
50. Match the following:

1. Male - Boy ---> a. A type of
2. Square - Polygon ---> b. A part of
3. Roof - Building ---> c. Not a type of
4. Mushroom - Vegetables ---> d. A superset of

Ans: 1- d, 2- a, 3- b, 4- c

51. Match the following.

1. brother – sister ---> a. Part of
2. Alsatian – dog ---> b. Sibling
3. sentence – paragraph ---> c. Type of
4. car - steering ---> d. Not a type of

Ans. 1-b, 2-c, 3-a, 4-d

Remaining Questions were from Graph, pie charts, Bar chart and Venn diagram which were very easy.

SECTION THREE CONSISTS OF **CRITICAL REASONING**

YOU MUST BE THROUGH WITH THE BARRON GRE 12TH EDITION CRITICAL REASONING. SEE THEY WILL TELL YOU AT THE TIME OF PPT THAT THERE WONT BE ANY SECTIONAL CUT OFF BUT I OBSERVED THAT THOSE WHO DID WELL IN APTITUDE SECTION AND NOT IN THIS SECTION WERE NOT ABLE TO CLEAR THIS ROUND. SO IF YOU ARE VNOT ABLE TO SOLVE THIS SECTION THEN SIMPLY MUGG UP ALL BECAUSE YOU DON'T HAVE ANY OPTION RATHER THAN THIS....

Q1)AN AIREDALE , A BOXER , A COLLIE, AND A DOBERMAN WIN THE TOP FOUR PRIZES IN THE KENNEL SHOW. THEIR OWNERS ARE Ms. HUNTLEY Mr. GROSSMAN AND Mr. FOSTER NOT NECESSARILY IN THAT ORDER. THEIR DOGS NAMES ARE JACK , KELLY, LAD , AND MAX, NOT NECESSARILY IN THAT ORDER

1. FIRST PRIZE IS WON BY

- a) Mr. EDWARDS'S DOG
- b) Ms. HUNTLEY'S DOG
- c) MAX
- d) JACK
- e) LAD

2. Mr. GROSSMAN'S DOG

- a) IS THE COLLIER
- b) IS THE BOXER
- c) IS THE AIREDALE
- d) WINS SECOND PRIZE
- e) IS KELLY

3) IN WHICH OF THE FOLLOWING STATEMENTS ARE THE DOGS CORRECTLY LISTED IN DECENDING ORDER OF THEIR PRIZES

A) KELLY;THE AIREDALE; Mr. EDWARD'S DOG

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- B) THE BOXER ; Mr. GROSSMAN`S DOG ; JACK
- C) Mr. EDWARD`S DOG ; THE AIREDALE; LAD
- a) A ONLY
- b) B ONLY
- c) C ONLY
- d) A AND C ONLY
- e) B AND C ONLY

- 4) LAD
- a) IS OWNED BY Mr. FOSTER
- b) IS OWNED BY Mr. EDWARDS
- c) IS THE BOXER
- d) IS THE COLLIE
- e) WINS THIRD PRIZE

2 MORE EASY QUESTIONS WERE ALSO THERE THAT YOU CAN GET AT THE BARRON BOOK

ALL THE QUESTIONS FROM THE CRITICAL REASONING BOOK WERE AVAILABLE THERE BUT AS THE TEST WAS ONLINE SO EACH ONE WAS GETTING DIFFERENT QUESTIONS YOU MUST BE THROUGH WITH THIS SECTION.....

TECHNICAL INTERVIEW

MY **TECHNICAL INTERVIEW** WAS VERY GOOD FROM THE FIRST QUESTION ITSELF I GOT MY CONFIDENCE THEY PRAISED ME FOR MY FIRST ANSWER

MY QUESTIONS WERE

- 1) WHAT IS CLASS, OBJECT?
- 2) WHAT IS PROTECTED AND PRIVATE?
- 3) WHAT IS PROCEDURE ORIENTED?
- 4) WHAT IS POLYMORPHISM?
- 5) AFTER THAT THEY GAVE ME 2 PROGRAMS TO WRITE.

YOU MUST BE BOLD AND WELL MANNERED WHILE ATTENDING THE INTERVIEW. WHEN I ENTERED AND I OFFERED MY HAND FOR SHAKE HAND THEY GAVE ME WARM RESPONSE THEY LEFT THEIR CHAIR AND WHILE SHAKING HANDS WITH ME THEY TOLD ME `` HI RAHUL I AM VIKRAM AND HI RAHUL I AM GANESH` THEIR BEHAVIOUR WAS SO FRIENDLY . THEY ASKED ME

1. WHY YOU CHOOSE BIO TECH BRANCH?
2. WHY SHOULD I SELECT YOU?
3. HOW YOU ARE BENEFICIAL FOR US?
4. DO YOU HAVE ANY QUESTIONS FOR US?

YOU MUST ASK A GOOD QUESTION OTHERWISE IT WILL CREATE A VERY NEGATIVE IMPRESSION OF YOU IN FRONT OF THEM. SO MANY PERSONS WHO DIDN`T ASK QUESTIONS WERE REJECTED.

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M.R ROUND

THIS IS A COMBINATION OF H.R AND TECHNICAL TYPE THEY CAN ASK YOU ANYTHING.

THE QUESTIONS THAT THEY ASKED ARE FOLLOWING

1. INTRODUCE YOURSELF?
2. WHY BIO TECH BRANCH?
3. WHAT IS THE DIFFERENCE BETWEEN C AND C++?
4. DO YOU HAVE ANY QUESTION FOR US?

THAT'S IT I GOT PLACEMENT IN TCS

TCS PAPER ON 18th MARCH

Hi, my self SUJIT KUMAR GUPTA (CSE 3rd Yr.)from MALLABHUM INSTITUTE OF TECHNOLOGY.I m very happy after getting placed in TCS held on 18th of March.It was an on campus. We were lucky to face the test as off line.

Basically there was three round throughout recruitment process.

APTITUDE

TECHNICAL

HR

APTITUDE

There were three sets of questions:X,Y,Z. Aptitude test basically had three sections. Mine was set X.

1.VERBAL AND NON VERBAL

10 Synonyms,10 Antonyms,7 fill in the blanks with 10 to12 options provided,1unseen passage.

Go through GRE 333 High Frequency words and once have look over the exercises given After the each alphabets.From high frequency words u may get 5-6 common.

For Antonyms there r five excercises in GRE,go through all of them. And rest of this section was really tough.Don't worry,there was no sectional cut-off.

2.QUANTZ

This section is the easiest of all the section.There was more or less 40 question frm this sec. Just go through the previous 3-4 years TCS papers and be through with the following chapters OF R.S.Aggrawal:

- 1.Time and distance
- 2.Time and work
- \3.Series
- 4.Percentage
- 5.Problem on ages
- 6.Profit and loss
- 7.Boats and streams
- 8.Chain rule
- 9.Pie charts and Bar graph(12 question from this chapter only)*

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Odd one out from previous TCS papers.

I m sure that u practice well u will be able to answer all the question of this section.

3.CRITICAL REASONING

There was 12 question in this section.Actually there was 3 critical reasoning having 4 question each.Follow strictly GRE 12th edition.All the 3 reasonings were from there only.Rather if u r unable to understand the logic by heart the answers.

TECHNICAL ROUND

My technical round was taken around half an hour.Be cool and confident what u r speaking. Don't get too xcited and nervous, if u don't know particular topic.Always try to bring them in ur area of interest and be polite over there.

Following r the questions asked to me in interview:

- 1.Tell me about urself?
- 2.Whats ur favaroit subjects?
- 3.Explain QUICK SORT and its complexity in each of the case?
- 4.Asked about LINK LIST,STACK,QUEUE?
- 5.How many types of sorting r there?
- 6.What is recursion and to write a program to find factorial of anumber?
- 7.what do u mean by #?
- 8.Write a program to swap the value of the two variable without using the third variable?
- 9.What is macro?
- 10.Sudenly he asked me that "why TCS should take u"?
- 11.Prove urself that ur the best?
- 12.What is O.S.?
- 13.what is Booting?Hard booting and soft booting?
- 14.What is "DEADLOCK"?
- 15.how does deadlock occurs?and how it can be prevented?
- 16.Explain "BANKER'S ALGORITHM".
- 17.what is priority scheduling?
- 18.What is SEMAPHORES?
- 19.What is Multitasking,Multiprocessingand cPU scheduling?
- 20.what is INTERRUPT?Difference b/w Hardware and software interrupt?
- 21.Do u have any question about TCS?

The result were told within few minutes. Now I was recommended for next round. Total 22 cleared technical round.

In HR round friendly environment was created.Tell the truth else u will be in trouble later. Be frank with them as if u are talking to ur friend.

- 1.Tell me about urself?
- 2.Which place do u like most and why?
- 3.what do u know about TCS?
- 4.Why should we take u?
- 5.What is ur future planning?
- 6.why MBA?(As I told them that I want to do MBA)

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And few more questions were asked.

Finally 22 was selected in TCS.No one was eliminated.This day was life's most happiest day ie D day of my life.

In HR if ur communication skills r good need not to worry.

TCS PAPER ON 18th MARCH AT KOLKATA

HI

FNDS I AM SENDING YOU SOME TIPS THAT WILL HELP YOU ALL TO CRACK THE CAMPUSS RECRUITMENT OF T.C.S

THIS RECRUITMENT WERE TAKEN PLACE IN THREE ROUND::

1. **APTITUDE TEST.**
2. **TECHNICAL ROUND.**
3. **MANAGEMENT AND HR ROUND.**

Total time allotted for the test was 1:30 min

I DON'T REMEMBER THE EXACT QUESTIONS ON APTITUDE PAPERS BUT I AM GIVING YOU ALL THE TYPE OF QUESTIONS. THE TECHNICAL AND THE HR QUESTIONS WHICH I HAVE GIVEN BELOW WILL REALLY HELP YOU ALL TO ACHIEVE YOUR GOAL.

APTITUDE PART:

IN THE APTITUDE PART THERE WERE THREE SECTIONS:

1. **VERBAL PART.**
2. **QUANTITATIVE PART.**
3. **LOGICAL REASONING**

Section 1: VERBAL (32 questions)

- a. Synonym: 10 questions.
- b. Antonym: 10 questions.
- c. Fill in the blanks with appropriate sentences from the provided list.(6 QUESTIONS)
- d. Reading Comprehension.(6 QUESTIONS)

For antonyms and synonyms consult GRE BARON. U will find all the words common from that which will help you to score a good mark as many student find this part to be one of the toughest part in the aptitude paper.

Fill in the blanks consisted of one whole paragraph with some gaps. These gaps must be filled in with sentences given at the end of the questions. You will have to decide where each of these given sentences suites best within the paragraph. in fill in the blanks there was 6 questions, you have to read the passage carefully as the words given in the options are too much confusing . reading comprehension is similar to the old pattern of reading comprehension questions. Consult barrons GRE. here were three passages consists of 6 questions in all.

Section 2: QUANTITATIVE(38 questions)

Examples:

1. TO FIND OUT THE POSITION OF A PARTICULAR 2-D ARRAY ELEMENT WHILE THE STARTING POSITION IS GIVEN AND THE BITES OCCUPIED.
2. A WORD WAS GIVEN AND BY INTERCHANGING THE POSITION OF THE LETTERS 1ST WITH THE 2ND AND SO ON...OF THAT WORDS, WHICH LETTER WILL BE IN A PARTICULAR POSITION.
3. THERE WAS A PROBLEM ON TEMPERATURETHAT THE TEMPERATURE OF A CITY FOLLOWS SOME EQUATION AND AFTER A DEFINITE PERIOD OF TIME YOU HAVE TO FIND OUT THE DIFFERENCE BETWEEN THE TEMPERATURE.
4. SOME POINTS ARE GIVEN ON X AND Y AXIS AND YOU REQUIRED TO FIND OUT THE NATURE OF THE CURVE PRODUCED WHEN IT WILL BE PLOTTED IN A GRAP
5. A PROBLEM ON MATCH THE LEFT AND RIGHT COLUMNS WITH SUITABLE MEANINGS.IT WAS AN EASY ONE,I TNK YOU ALL BE ABLE TO DO THAT.
6. FEW QUESTIONS ON VENN DIAGRAM.DO IT CAREFULLY.
7. DO CAREFULLY THE FOLLOWING CHAPTERS FROM R.S.AGARWAL WHICH WII HELP YOU TO SOLVED ALMOST ALL THE PROBLEMS IN THE QUANT PART, AT LEAST THE SOLVED EXAMPLES
 - A. NUMBERS.
 - B. AVERAGE.
 - C. AGES.
 - D. PERCENTAGE.
 - E. PROFIT AND LOSES.
 - F. RATIO AND PROPORTION.
 - G. TIME & WORK.
 - H. TIME & DISTANCE.
 - I. PROBLEMS ON TRAIN.
 - J. BOATS AND STREAM.
 - K. ALLIGATION OR MIXTURE.
 - L. SIMPLE INTEREST.
 - M. COMPOUND INTERSET.
 - N. LOGARITHM.
 - O. CLOCK.
 - P. PERMUTATION & COMBINATION.
 - Q. PROBABILITY.
 - R. HEIGHT AND DISTANCE.

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8. Second figure consisted of a bar graph and a pie chart with figures and labels and you will have to answer questions based on those graphs. GRE barrons quantitative.

Section 3: CRITICAL REASONING

FOUR paragraphs and with 4 questions each. Each paragraph gives u a logical problem EXACTLY similar to the OLD GRE logical reasoning problems, like problems on sitting arrangement, order, etc. Solve barrons GRE logic games.

THOSE WHO CLEAR APTITUDE SECTION OF THE TEST ARE ELIGIBLE FOR TECHNICAL ROUND.

THESE ARE SOME TECHNICAL QUESTIONS WHICH I HAVE FACED:
IT WAS A ROUND OF 30 MIN.....

1. INTRODUCE YOURSELF.
2. DESCRIBE OOPS CONCEPT OF C++.
3. WHAT IS INHERITENCE, POLYMORPHISM, ABSTRACTION, ENCAPSULATION.
4. WHAT IS CLASS AND OBJECT.
5. WHAT ARE THE ADVANTAGES OF C++ OVER C.
6. WHAT IS POINTER, ARRAY, STRUCTURE, UNION .
7. WHAT IS FUNCTION OVERLOADING.
8. CONTROL OR LOOPING STRUCTURE OF C.
9. WHAT IS LINK LIST AND DESCRIBE WITH SUITABLE EXAMPLE.
10. WHAT IS STACK AND QUEUE.

AS I AM A STUDENT OF ECE SO HAVE TO FACED SOME QUESTIONS LIKE.....

1. WHAT IS COMMUNICATION....AND A BRIEF INTRODUCTION TO IT.
2. WHAT IS DIGITAL ELECTRONICS.
3. DESCRIBE THE LAN AND WAN CONNECTION OF NETWORKING.

THAT'S ALL WAS THE TECHNICAL ROUND AND THE STUDENTS QUALIFIED ARE MOVED TO THE HR ROUND.

HR QUESTIONS.....

BE PREPARE WITH ALL THE QUESTIONS WHICH IS GIVEN BELOW.....

1. INTRODUCE YOURSELF
2. WHAT DO U KNOW ABT T.C.S
3. WHY DO YOU WANT TO JOIN T.C.S
4. YOU ARE A STUDENT FROM AN ELCTRONICS BACKGROUND SO WHY DO YOU WANT TO JOIN SOFTWARE COMPANIES OR IT INDUSTRY.

5. WHAT ARE YOUR STRENGTH AND WEAKNESSES WITH EXPLANATION.
6. HOW YOU CAN OVERCOME YOUR WEAKNESSES.
7. THERE WILL BE SOME QUESTIONS ON YOUR HOBBY.
8. DO YOU HAVE ANY QUESTIONS TO ASK THE INTERVIEWER.

THAT'S ALL ABOUT THE HR ROUND.....

SO..I DO HOPE THAT THIS ALL QUESTIONS WILL HELP YOU TO CRACK T.C.S.

TCS PAPER ON 16th MARCH AT INDORE

Hello frenz, TCS came to our college on 16th march with 3.15 lacs package and by the grace of God I m placed in TCS. Let me share my experiences with u. First of all guys, TCS is the company in which u can get thru easily, what u need is just a little hard work and lots of confidence.

First occurs the written test, which is an online test, comprising three sections:

1) Verbal(30 mins): This section contain 10 Antonyms, 10 Synonym questions and 2 Reading Comprehensions in which u have to fill the blanks and complete the passage with the appropriate options. Don't prepare anything for this section because u will be unfamiliar of 90% of the antonyms and synonyms. Passage will also be new, just do it, it will be easy.

There will not be any negative marking and also no sectional cut-off. I haven't prepared anything about this section.

2) Aptitude (Quantitative): This is the most easiest section. Just do the previous years question paper as much as u can for this section. Remember one thing, don't try to learn the answers because they usually change the digits. 38 questions will come from this section and 40 mins will be given to solve them.

3) Logical Reasoning : This section seems to be very easy because all the questions come from GRE Barron's 12th edition 5 model test papers and LR practice exercises. But my suggestion is, learn the Barron's LR thoroughly but be aware of the method of solving LR questions, because there may come questions that may not belong to Barron's, as happened with me.

There will be three LR questions each having 4 sub-questions, so there will be 12 questions from this section. Remember, this is the most important section, if u are unable to do it u will not get thru with written.

Now comes the Interviews:

1) Technical Interview: This is the rejection round. But don't get afraid...u can get thru easily if u are confident. Just do C and C++ that's it, prepare one subject of your stream too, for eg: CS students can prepare DBMS or OS and EC students Data Comm etc.

Remember, write only those subjects in ur resume in which u can confidently speak,

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otherwise it will create a big trouble for u. I have written Basics of C and C++ only in my resume. However I have studied OS too as I am a Computer Science student. I was asked C++ questions only. They had asked me all the OOPS concepts and asked me to relate it to the real world objects. I have done it successfully.

2) Then comes HR round: This round comprises of general questions only like:

Tell me about ur family and ur education?

Strengths and weaknesses

Why TCS?

Why should we hire you?

Where do you want to see yourself after 5 years?...and all that

Remember, answer the questions confidently because they will create questions from your answers only. For eg: If u say that after 5 yrs I wanna see myself as project manager, then they may ask u about the work being done by a project manager. So be aware of your answers.

We had faced Managerial Interview too, in which they asked puzzles (just want to see our approach to p'blems), this interview happens rarely so don't get nervous.

Thats all my frenzz...

There were 245 people seated in the campus.

139 cleared the written the test.

85 cleared technical and 68 cleared HR

And among 68 people, i was the one.

KEY TO SUCCESS: Be cool and calm, be confident (even if u are not knowing the answer, say i don't know confidently, they just want to see your confidence) and don't get nervous...not even for a single moment. I m sure u will get thru.

ALL THE BEST

We will meet at TCS.

TCS PAPER ON 17th MARCH AT GWALIOR

Hi, I'm sourabh shrivas fm M.P.C.T GWALIOR (M.P.)

TCS visit at my college on the 16th and 17th of March for campus placement. I am happy to say U all now I'm a part of TCS

1) VERBAL

2) APTITUDE

3) CRITICAL REASONING

I. In verbal section there were 10 SYNONYMS, 10 ANTONYMS. Also, A long para was given with some blanks n options were given to fill the blanks (abt 5 blanks) .

Reference everything fm BARRONS 12 TH EDITION.

II. all question fm previous paper.(only data is change). If u solve ques . frm old papers of TCS u can do this section with ease.

Question frm.....

Quant section

Work, data interpretation, longitude, series, coding, percentage , odd things (mean chose different thing fm four or five option),bit register (example below....)...a set of given matrices find singular matrices. on venn diagrams n bar graph, add calc for an array element, finding of orthogonal pairs. total length of pipe (example...below).(see old paper),equation of 4 lines r given and find out 2 perpendicular line.

QUESTIONS FM MY PAPER.....(quant...)

1. FIND THE MISSING NO. IN SERIES ?

9 10 11 13 15 ? 21 28

2 LARGEST NO. THAT CAN BE STORED IN A 9-BIT COMPUTER.

(A) 509 (B) 513 (C) 511 (D) 409 (E) 459

ANS...509

6 BIT -----61

7 BIT-----127

8 BIT-----253

9 BIT----- 509

SIMPLE FIND POWER OF 2 AND GET LARGEST PRIME NO. LIKE IN CASE OF 6 BIT THEN 2^6 IS 64. THE GRETEST PRIME NUMBER LEES THEN 64 OK

3. THAN ANS IS 61. THE SIDES ARE GIVEN. WHICH TRIANGLE IS NOT POSSIBLE:

(A) (2,3,6) (B) (3,2,4) (C) (3,4,5) (D) (3,3,3) (E) (5,3,5)

4. (Momentum*Velocity)/(Acceleration * distance)

a) Newton b) Mass c) Force

(THIS TYPE OF QUS REVICE FH PHYSICS ENTER LEVEL)

5 Four 2X2 matrices were given. We've to find out which of them is a singular matrix? (DETERMINANT IS ZERO)

A B

C D

THEN $AD - CB = 0$

6. Flight takes off at 4 A.M from North-East direction and travels for 7 hours to reach the destination in the North-West direction. Some latitude and longitude of source and destination given. Find the local arrival time of destination? (I don't know how to find it)

7. In the word CHAMPIONSHIP, if the first and second, third and fourth, fifth and sixth, etc words are interchanged, what would be the 8th letter from right? (Ans: 'I')

8. In a two-dimensional array, X (7, 9), with each element occupying 8 bytes of memory, with the address of the first element X (1, 1)=3000; find the starting address of the element at X (5,8).

SEE DATA STRUCTURE SIMPLE FORMULA BASED.....

9. A sequence of letters is given. We've to find out how many V's are there under the condition that, S should be followed by V and should not be followed by F.....

V,S,F,T,W,E,L,B,V,S,L,L,K,S,M,S,V,F,L,S,D,I,..... Like that.

10. If A, B, C are the mechanisms used separately to reduce the wastage of fuel by 30%, 40%, 10%. What will be the fuel economy if they were used combine?

1.68.4 2.62.2 3.58 4.27

(Ans- 62.2) sol: $(70/100)*(60/100)*(90/100)*100=37.8$ Eco = $(100-37.8)=62.2$

11. In Madras temperature at noon varies according to $t^2/2 + 4t + 12$ (Read is as: $t^2/2 + 4t + 12$), where t is elapsed time. Find how much percentage of temperature is increased (or decreased) between 5pm and 8pm. (HINT: substitute & subtract values from 5 to 8)

12 The size of a program is N. And the memory occupied by the program is given by M = square root of 100N. If the size of the program is increased by 1% then how much more memory is required now?

a) 8.0% b) 2.5% c) 0.5% d) 2.4% e) 1.7%

ans .5%

ROOT OF OF DIFF OF ROOT OF 100 and 101.

13 A power unit is there by the bank of a river of 900 meters. A cable is made from power unit to power a plant opposite to that of the river of 2000mts. The cost of the cable below water is Rs. 5/- per meter and cost of cable on the bank is Rs. 4/- per meter. Then find out the amount to be invested to connect those two stations.

14. Which shape will be obtained by using the following values for X and Y

X 0 10 100 1000 9999

Y 0.00001 1.02 1.72 3.00 4.72

(HINT DRAW GRAPH)

Ans: $Y = \log_{10}(X)$

15. What is the value of the following expression $M(373,5)+T(7.7)+R(4.4)-T(3.6)$

Where M- MODULAS R- ROUNDOFF T- TRUNCATE

(Ans : 11) Sol: $3 + 7 + 4 - 3 = 11$

16 What is the value of the expression $\% \# \% (6) + \# \% \# (6)$

Where % means DOUBLING and # means RECIPROCAL

17 Match the following (this type of question but not same)

A		B
1. Mammal, cow	--->	a. A type of
2. Snake reptile	--->	b. A part of
3. Roof - Building	--->	c. Not a type of
4. Mushroom - Vegetables	--->	d. A superset of

(Ans: 1-d, 2-c, 3-b, 4-a)

18.If $G(0) = -1$ $G(1) = 1$ and $G(N) = G(N-1) - G(N-2)$ then what is the value of $G(6)$?(Ans: -3)

Sol: $g(2) = g(1) - g(0) = 1 - (-1) = 2$, similarly $g(3), \dots, g(6)$;

ONCE DO R.S.AGGARWAL (QUANT) (arithmetic section)
GOOD FOR U. .
CRITICAL REASONING

BARRONS 12TH EDI.....(4 CRITICAL REASONING...)
(IN MY PAPER.....

1. FOR A MOTORIST THERE ARE THREE WAYS.....(MODEL PAPER 1 QUE 1 TO 4)
2. EIGHT UNIVERSITY BASEBALL PLAYERS (G H . (MODEL PAPER 2 QUE 1 TO 4)
3. THIS IS NOT FM GRE..... BUT SIMPLE..(STH BLUD RELATION..... TYPE

Those who qualified in the written were grilled by a Panel of 2 individuals from TCS.
Tech after qualify this I call 4 Hr interview. They just test ur COMMUNICATION SKILLS, KNOWLEDGE OF C/C++ or any other prog. language and ur CONFIDENCE LEVEL. (important thing) Ques. based on ur area of interest r asked. A lot of ques. r asked on ur HOBBIES, STRENGTHS n WEAKNESSES, CARRIER OBJECTIVE, AIM IN LIFE . A ques. tht's frequently asked is: TELL ME SOMETHING ABOUT URSELF (prepare this 1 well) They also ask u abt ur subjects n grill u a lot on this.

Qus. Introduced u self which not mention in u r cv.

Ans

Qus. on hobbies.

Qus Why tcs hire u ?

Ans

Qus where u found u r self after 5 year?

Ans...

Qus. But why tcs by not infosys.

Ans.....

Simple abt my self etc....

Some discussion

AND finally I'm got selected

TCS INTERVIEW PATTERN ON 14th MARCH

Visit www.123eng.com Engineering projects
Chat with other engineers at www.123eng.com/forum

HI FRIENDS I APPEARED FOR THE TCS TEST ON 14TH MARCH
THERE WERE THREE ROUNDS

- >**WRITTEN TEST**
- >**HR INTERVIEW**
- >**TECHNICAL INTERVIEW**

THE WRITTEN TEST CONSISTED OF

- 1.APTITUDE TEST**
- 2.CRITICAL REASONING**
- 3.ENGLISH**

GO THROUGH BARRENS FOR THIS(13TH EDITION OR 12 TH EDITION)

THE INTERVIEW QUESTIONS WERE

- >WHY JAVA
 - >PLATFORM INDEPENDENCE
 - >WHY WE COMPILE A C PROGRAM
 - >WHY WE RUN IT
 - >WHAT IS A PARSAR
 - >WHAT IS DBMS
 - >WHAT IS RDBMS
 - >WHAT IS THE DIFFERENCE BETWEEN THE TWO
 - >SOME SQL QUERIES
 - >WHAT IS VB.NET
 - >WHY VB.NET
 - >OSI REFERENCE MODEL
 - >STRUCTURE OF OS
- AND MANY MORE

*****BE COOL*****