

TCS Testpaper - Asansol Engineering College, Asansol - 19 February 2008

Paper Type : Whole Testpaper

Test Date : 19 February 2008

Test Location : Asansol Engineering College, Asansol

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 fill 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. There 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)
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 alot, 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 & antonyms:-

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 thugh 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, 0, 7, 7 (c) -7, -7, -7, -7, -7 (d) 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

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> 2questions 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 $M = \text{square root of } 1000N$. 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> $(\text{Momentum} * \text{Velocity}) / (\text{Acceleration} * \text{distance})$ 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 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 (89o N Lat , 20o E) at 6.00 AM local time to B (50o S , 40o 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 $60*4=240$ 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 firm east to west so subtract 4hrs firm 4:00pm..

$4:00\text{pm}-4\text{hrs}=12:00\text{pm}$
(if plane is going firm 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?
a) m/210 b) n/70 c) n/161 d)m/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 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.....

BEST OF LUCK.....

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