

TCS Testpaper - Madan Mohan Malviya Eng. College, Gorakhpur(U.P.) - 25 February 2008

Paper Type : Whole Testpaper

Test Date : 25 February 2008

Test Location : Madan Mohan Malviya Eng. College, Gorakhpur(U.P.)

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 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

Comprehensions n the model test papers rc tooo...

the RC asked to us was special since the comprehension was in fill in d blanks form with options. so b careful while reading RC. hence pls, do take gud care of GRE 12th edition n learn or CRAM up d questions if required.

b. Aptitude section (maths ability, series fill up etc type of questions.):

for this just go through the previous years tes aptitude test papers. it vll b more than enough... since all questions are based on the same type as previously asked. only the numerical values r changed.

Following r 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 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 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 $4000(n)/2$ [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) 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. 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

14. if the word 'dlosszn' is changed to 'centra' 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/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.

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 u can 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) 1/13 x 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, 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 $n=68*12*51$, which one is not a 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

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 RBKEGI then RBDJK can be coded as?

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 1500m 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) u 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. (Momentum*Velocity)/(Acceleration * 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 between A, B and C in the ratio 2:3:4, what is C's share?
Ans. Rs. 560

55. Figures 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

c. 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 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???

2. wat subjects have u studied till now. name them??

3. u comfortable wid which language?? I answered c++ . then he asked bout c++ . 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 pythagoras 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. 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 bout my subjects in mca of different semesters. I answered n then I was asked questions regarding computer networks.

3. wat r different types of topologies used in computer networks?? I answered.

4. then he asked wat is internet ??? n which type of topology does it uses?? I told him sorry sir I m unable to recall He asked me to guess. I guessed it could b star topology. then he asked me to explain that topology.

1. he asked me if u r having any question to ask?? I asked which post I m goin to get if I vll b placed in ur company. He answered me elaborately.

Key points:

> do a lot of homework on the describe urself.

> Ur plus n 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 urself. I answered

2. no more questions were there except he asked me bout their bonds n placing me anywhere in India or abroad m I comfortable wid that or not. I answered I m comfortable.

3. then he asked any question from ur side?? I asked how can I improve myself still, after being placed, since I have still much time to spend at the college b4 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 u all feel this..... that how it really feels like , to b at ninth cloud .

One saying " we can find word success b4 work only in the dictionary bt not in real life so work hard n embark urself to achieve wat u really want".

Good luck!!!!!!!

C u at TCS.....

THANK U.

[Download Placement papers](#)

[Interview Questions & Tutorials](#)

[Download Entrance Exam Question Papers](#)

[Download Technical Tutorials, How-To Documents and User Guides](#)