TCS PAPER - 01 JUN 2006 - KOLKATTA

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-++# 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

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 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?
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 DIAGROM 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 n B) u C) =? Ans: 29…. A-B is {A} - {A n 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:Intoduce 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 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.