

Latest TCS paper at VIT, Vellore on 7th June, 2007

Category (Placement Paper or Interview Experience): Placement Paper

Date Conducted: 7 Jun 2007

Paper/Interview:

TCS conducted online test which comprised of three sections:

I. Verbal:

There were 10 questions related to synonyms, 10 questions related to antonyms, 6 questions related to reading comprehension, 10 questions related to sentence completion. GRE book is quite helpful for this. Some of the words, which I can remember, are: chide, dotish, protract, mawkish, disgeneous, repugance, vouchsafe and so on.

II. Aptitude Test:

Some of the questions are listed below:

(1) Find out the largest prime no. that can be stored in 8-bit memory. {Ans - $2^8=256$, prime no less than 256 i.e 251}

(2) Find the odd one out :

sql, db2, sybase, http {ans-http}

java, lisp, smalltalk, eiffel {ans- lisp}

sybase, db2, oracle, unix {ans-unix}

(3) Calculate the value of the 678 to the base 7. {ans-1656}

(4) Calculate the result of following expression if M denotes modulus operation, R denotes round off, T-truncation:

$M(373,5)+R(3.4)+T(7.7)+R(5.Cool$ { Ans- $3+3+7+6=19$ }

(5) If TAFJHH is coded as RBEKGI then what will be the code for RBDJK? {ans-PCCKJ}

(6) In Madras, temperature at noon varies according to $t^2/2+8t+3$, where t is time elapsed. Calculate the percentage change in temp. from 4 pm to 9 pm.?

(7) if $g(0)=1, g(1)=-1, g(n)=g(n-1)+g(n-2)$, calculate $g(5)$?

ans- $g(2)=g(1)-g(0)=-1-1=-2$ $g(3)=g(2)-g(1)=-2-(-1)=-1$and so on.

(Cool If the program size is N and the program occupies a memory of $4000\sqrt{N}$, calculate percentage increase in memory when the program size is increased by 1%. { ans- 0.5%}

(9) Which of the list below represents 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 }

(10) 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. Find out 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

(11) There is a power unit on the bank of a river which 900 meter wide. A cable is drawn from unit to power plant opposite to that of the river and 3000 meter away from the power unit. If the cost of the cable below water is Rs. 5/ meter. and cost of cable on the bank is Rs. 4/meter, find the point where cable cut through the river. { ans-2100 }

(12) If my flight takes off at 2 am from a place at 18N 40E and lands 10 hour later at a place with co-ordinates 36N 40W, Find out the local time when my plane landed?

a) 2.50 pm, b) 6.00 pm, c) 6.40 pm, d) 8.00 pm

(13) if A, B, C are three mechanisms used separately to reduce the wastage of fuel by 25%, 20%, 10%, what will be the fuel economy if they are used together?

(14) Find the orthogonal pair?

a) $5i+3j$ b) $i-2c$ c) $2i-j=3d$ d) $3i=5j+6$

Apart from these, there were three questions on Venn diagrams and three questions on bar graph.

III. Critical Reasoning:

There were 12 questions and all were difficult. They were mostly taken from GRE 12th edition.

The interview went for almost 20 minutes. They started by asking personal details, about individual strengths and weaknesses, technical skills possessed etc. There were some technical questions too. They gave a tough puzzle to solve. That was the end of interview.

