

<b>Test Paper :0</b>
<b>Posted By</b> : admin

**Tata Consultancy Services (TCS)**

**Tata Consultancy Services (TCS)** is the world-leading information technology consulting, services, and business process outsourcing organization that envisioned and pioneered the adoption of the flexible global business practices that today enable companies to operate more efficiently and produce more value.

**Tata Consultancy Services** started in 1968. The early days marked TCS responsible in managing the punch card operations of Tisco. The company, which was into management consultancy from day one, soon felt the need to provide solutions to its clients as well. TCS was the first Indian company to make forays into the US market with clients ranging from **IBM, American Express, Sega** etc.

TCS's work has spanned a range of activities, from strategy consulting and system integration services to offshore development centres for some of the most sophisticated software development in the world. Consider these facts about TCS:

Projects for over 1000 clients in more than 55 countries. Our clients get measurable business results, which is why many Fortune 500 companies prefer TCS.

More than 100,000 person years of experience in diverse business domains and technology areas.

Knowledge accumulation through collaborative research with industry and academia, and partnerships with global technology leaders.

Over 28,000 consultants, a range of world-class products, proven offshore development capabilities, and multiple SEI CMM Level 5 centres.

Total revenues of Rs 5,012 crore (\$ 1.04 billion) in the year ended March 31, 2003. TCS believes that IT is a key factor for social change and is committed to several community development ventures.

If you have the talent and the ambition to grow, there's plenty of space for you at TCS. Its streams of competence embrace everything from technology and strategy to research and teaching

For More info Visit Website : [www.tcs.com](http://www.tcs.com)

Also Visit TCS Recruitment website : <http://www.recruitment.tcs.co.in>

<b>Test Paper :1</b>
<b>Posted By</b> : admin

## **TCS Test Pattern:**

It was an online exam.... Test Consists of 3 Sections... + Psychometric Test

1. Test on Synonyms and Antonyms (40 questions, 20 minutes: Also Q's on Sentence Completion).
2. Aptitude Test (32 questions, 40 minutes: General Questions on Mathematics).
3. Critical Reasoning (30 Minutes: 3 Analysis Paragraphs and 12 questions Relating them).
4. Psychometric Test (150 Questions, 30 minutes: only if you Qualify in the above tests).

### **Details about How to Prepare for the above tests:**

#### **1. Verbal Ability:**

This Test contains Synonyms & Antonyms...Almost all of them were From GRE BARRON'S 12<sup>th</sup> Edition & upward...30-50% of them will be repeated from previous TCS papers. Few Questions on Sentence Completion were also there..for these also refer BARRON'S.

**NOTE:** During the Exam..you should be careful..because on the computer screen the names Synonyms & Antonyms will be placed side by side so that we may by mistake choose an antonym instead of a synonym...so Be Careful..

#### **2. Aptitude Test:**

This test will consist of very general questions...This is the easiest section Compared to the Other Two. Almost 70-80 Questions will be repeated from the Previous TCS Papers...just learn the method from those papers..same model will be given..(This happened almost all the times). If you have time refer to any Aptitude book of your interest...it may be R.S.AGARWAL or any Other.....

#### **3. Critical Reasoning:**

Here Starts your Problems...30 Minutes...12 questions..don't think that there is a lot of Time..these will be somewhat tougher those who has some touch with such kind..and will be Very Tough.. if you haven't seen this kind before..so,you should have some practice relating this kind of questions... 3 paragraphs will be given.. 3X4.. 12 questions.. first 2 paragraphs will be some twisty questions... like our arrangements questions... routes between cities.. like that... and the last one will be on Data Interpretation...

You prepare Data Interpretation again from BARRON'S.... but the remaining from R.S.AGARWAL-Reasoning....  
Or from Barron's 13<sup>th</sup> Edition

#### **4. Psychometric Test:**

This test comes up only if you qualify in the Aptitude test... This test consists of 150 questions which we should answer in 30 minutes (of course, that much time is not required) Don't think that this test has no weightage.. there is filtering in this test too... this test tests your psychology.. Remember among 150 many questions were asked again & again in a variety of ways.. so don't get trapped... be honest while attempting this test.. choose what you're your heart says.. it will take you through the test..

**This ends the Tests.....**

#### **INTERVIEWS:**

Now if you are Alive Even after All these tests....then you have to face a Technical Interview... It may be on the same day of the Test.. so be Prepared in Advance.....

The Interview will be done by a Panel of 2 members.... No need to worry.. They will be Very supporting & Friendly.. First they ask us to Introduce ourselves... then they'll go into your project details... don't forget to prepare project.... They mainly concentrate on your project only...so be confident on every aspect of your project... then you should have some basic knowledge on C language. There will be some questions like "what is the o/p of this code?", "what are the errors in the code?"..like that... so be prepared for all the basic concepts.. If needed you have to write some small codes too.. at the end they will ask some general questions like "Why TCS?", "Where do you see yourself in the next five years?", "do you have any questions?", try ask some questions... it shows your interest in the Company..

#### **HR:**

Now if Chase this one too.... Then comes your Final Attack.. the HR Round... I many times heard that "I failed in HR round!".. likewise answers.... But you should not fail in it.. because it involves no technical questions... it just dwell into your innerself... so, be confident and frank while facing this round...They generally ask questions like "Tell about yourself?", "Who r your role models?", "What is your weakness?", don't say "I Have no weakness!", just prepare a small weakness for yourself that causes no harm to your future...O.K.. "What is your mother tongue?"

if your Academic background is good.. be prepared to face some Techies here too....

NOW IF YOU ARE SUCCESSFUL HERE TOO..... CONGRATS... YOU ARE IN TCS.....

Test Paper :2	
<b>Paper Type</b>	: Whole Testpaper
<b>Test Date</b>	: 1 April 2008
<b>Test Location</b>	: Siddaganga Institute of Technology,Tumkur
<b>Posted By</b>	: Geetha

TCS PAPER ON 1st APRIL 2008

Hi friends..I am Geetha from SIT, Tumkur. TCS came to our campus on 1st april. 550 were appered 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.critiacal reasoninig.**

**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) $n//132$ ..

> $(momomtum*distance)/(velocity*velocity)=?$

> $f(0)=-1, f(1)=1$   $f(n)=f(n-1)+f(n-2)$ , 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
- >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..

Test Paper :3	
<b>Paper Type</b>	: General - other
<b>Test Date</b>	: 2 April 2008
<b>Test Location</b>	: Sri Siddhartha InstituteOf Technology ,Tumkur
<b>Posted By</b>	: Sankalp S Rao

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 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 practice barrons 12th edition problems. If you don't 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 polymorphism? 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.....

Test Paper :4	
<b>Paper Type</b>	: Whole Testpaper
<b>Test Date</b>	: 27 February 2008
<b>Test Location</b>	: Guru Nanak Institute Of Technology, Kolkata
<b>Posted By</b>	: Mansoor

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)

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 yourself

Me) Told with poised...

Interviewer) asked me about my favourite subject

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 and .....shook 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....

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

Regards  
MANSOOR

Test Paper :5	
<b>Paper Type</b>	: Whole Testpaper
<b>Test Date</b>	: 18 March 2008
<b>Test Location</b>	: B.V.M. Engg Colg
<b>Posted By</b>	: Hardik Korat

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.

**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 PYLYPQMYLPLMLYLLYQMYYLQYLPLYAMLYLM Sol. Only count those pair by YL and discard pairs of YLP .....ans =4.

3. First & second, third and fourth, fifth and sixth letter of word SENSATIONALLY are interchanged find the 12th letter form right.

Sol. The interchanged word is ESSNTAIONALY. Now start counting from 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 =  $((42-25.5)/25.5) \times 100$   
= 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 u should be able to answer. I have prepared just C, C++, DS.

Take care that ur resume is the best if ur technical knowledge is not much good. Add something in ur resume that attracts interviewer to ask u.

If u lead ur interview in the way u 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—explained 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, and 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?

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.....

Test Paper :6	
<b>Paper Type</b>	: Whole Testpaper
<b>Test Date</b>	: 25 March 2008
<b>Test Location</b>	: Silicon Institute of Technology, Bhubaneswar
<b>Posted By</b>	: Rahul Pati

#### TCS PAPER ON 25th MARCH AT BHUBANESWAR

Hi friends, I am RAHUL PATI from SILICON INSTITUTE OF TECHNOLOGY, Bhubaneswar. 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.
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
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
ASSUAGE:	to make un 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 fr sth they ve been blamed fr
GREGARIOUS:	sociable
ANATHEMATIZE:	curse (bless)
BENIGN:	kind n 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 diff way..opinion
DECOLLATE:	the top edge of womens dress etc
HETERODOX:	not following the usual opinion (unorthodox)
RESTIVENESS:	able to stay still
IGNONIMOUS:	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 r true specially that others believe in
SPENDTHRIFT:	who spends too much money
SPECULATE:	to form opinion without knwing the details or facts
INDIGENOUS:	native
ERRONIUS:	not correct
EQUIVOCATE:	to talk bout 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 n clearly expressed in a way that influences wat people believe in
CONCEDE:	to admit that sth is true, logical
CONCEIT:	too much pride in urself n wat u do
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:	frustrate
lament:	
stifle:	sniffy
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 officially determined period of delay 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, inexperience
56. Obsession: complex enthusiasm
57. Precipitate: speed, active

Pillage – steal , loot , plunder

Cleft - split , crack

Incessment –

Brazen - bold , shameless

Awry - skewed , twisted , crooked

Remiss – careless , negligent

Defection - desertion

Ensue - follow

Avid - keen , eager

Rupidate Repudiate - reject, deny

Gauche - clumsy, vulgar

Intrinsic - essential

Gaudy – flashy , showy

Hidebound – narrow minded

Incognitent -

Intermittent – irregular, broken

Clastrophobia - fear

Contraband – illegal trade

Pagm concealed rapt

Voracious – avid, hunger, greedy

Seedy – sleazy, seamy

Omniscience – knowing all

Diatribes – attack, criticism

Felicitous – fortunate, luck

Relish – enjoy, savor

Aloofness – unfriendliness, remoteness

Ambiguity - unknown

Patry

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, plump

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

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 (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

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    (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. 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!**

**Test Paper :7**

<b>Paper Type</b>	: Whole Testpaper
<b>Test Date</b>	: 24 March 2008
<b>Test Location</b>	: KIIT University,Bhubaneswar
<b>Posted By</b>	: Samir Anand

## 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 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 the 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 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 would just say no need to worry as it is the most easiest section, just practice papers of last 2 or 3 years and you 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..

i am very happy to be the part of TCS.....now its ur turn.....ALL THE BEST

Test Paper :8	
<b>Paper Type</b>	: General - other
<b>Test Date</b>	: 26 March 2008
<b>Test Location</b>	: NIT Durgapur
<b>Posted By</b>	: Debanjan

#### TCS PAPER ON 26th MARCH DURGAPUR

Hi guys, I am Debanjan from NIT Durgapur.I am from chemical engineering department.Tcs came to campus on 26th march and picked up 202/352 students.But mind you,guys.....the whole process which we had to undergo during the 3 days was such we never expected.TCS probably took the toughest selection procedure in recent times.some of the students had technical interview as long as 1 and half hours.....hr was also quite gruelling.....and it was totally unpredictable.....for some of them hr was taken along with technical.....mine was 45 min hr+ tech interview....i am giving an excerpt

Me : Good evening sir,

I : good evening.....plz sit down

Me: Thanks a lot sir

I : you seem to be a cool dude

Me: (didnt expect) sir, its the same debanjan you r seeing who is with his friends

i: tell me abt urself

me : told

i: do you believe in god?

me :yes

i : define god

me : gave...was quite satisfied

i: state the zeroth ,first,second law of thernodyanamics

me :explained in a flash

i : ok..tell me the capital of estonia and peru

me : gave the ans

i : v good...what do you think of obama?

me : gave sume fundas abt obama and us presidential elections

i : you seem to have good general knowledge

me: thank you sir

i : draw a distillation column

me : drawn efficiently



i: who is dalailama....asked abt tibet vs china  
me : fumbled.....but gave the ans  
i : i am very impressed....but u ahve got low cgpa..  
me : i was prepared for this....i gave an instant reply  
i: satisfied....u r bengali right?  
me : yes sir..  
i : what is the percentage of bengali speaking peiople in the world  
me : there was no way i cud have answered that...just said....i cannot reacll the number sir  
i : he gave the ans....and then suddenly....why tcs  
me : i thought it was a technical....but still gave the ans..  
i : and then from no where..what is faradys law of electrolysis  
me : somehow i managed...but not completely correct...  
i : why should i take you as u dont know c and u r from core branch  
me : gave a satisfactory and  
i: are you feeling bored  
me : i didnt say"not at all"....i just said i am tensed  
i: why are u tensed....u have answered..teh ques  
me: sir,,,this is a very important day of my life  
i : why is it important?  
me : sir it will be my first step towards being a proffessional..  
i : he in a flash gave me a piece of paper...write 10 points now which a proffessional should have...and list out which u have and dont have at this point  
me : i took time intentionally....wrote the points...  
i : r u mobile  
me : sure sir.....i can adjust in any part of the world  
i : that means u can adjust in alaska also  
me : why not....if tcs opens a branch there?  
i: very clever  
me: no sir,very honest  
i : laughed....ok do hv any ques?  
me : sir what is this six sigma thing  
i : explained very well  
me: thank u very much sir....it was nice meeting yoy  
i: u welcome

so this was the total thing.....and it was also very hot.....but still i got selected.....i m happy for that.....best of luck for others,....bye

Test Paper :9	
<b>Paper Type</b>	: Whole Testpaper
<b>Test Date</b>	: 28 February 2008
<b>Test Location</b>	: NIT, KOLKATA

<b>Posted By</b> : Prithwish
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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:**

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 :

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 convncd 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.

Test Paper :10	
Paper Type	: Whole Testpaper
Test Date	: 25 March 2008
Test Location	: SIT Institute ,Bhubaneswar ,

<b>Posted By</b> : Purbasha kar
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## 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 u r not able to solve that just mug up the answers. But its my sincere request to u plz understand the funda behind each questions. they are changing the names and sequence of the questions too. better if u 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 (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) Naïve

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 cost 8 cents, then 5 pencils cost how much

Sol: 2 pencils = 8 cents  $\Rightarrow$  1 pencil = 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 alone 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 =  $(X + \frac{1}{4}) + X = 4 \frac{1}{2}$

$\Rightarrow 2X + \frac{1}{4} = 4 \frac{1}{2} \Rightarrow 2X = 4 \frac{1}{2} - \frac{1}{4} \Rightarrow 2X = 4 \frac{1}{4} \Rightarrow X = 2$ . 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%(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?

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:  $109 \dots A-B$  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  $\det(A)=0$ )

51. (Momentum\*Velocity)/(Acceleration \* 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 - 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 machine non deterministic automaton??

### 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 where 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.?

ALL THE BEST .....

Test Paper :11	
<b>Paper Type</b>	: Whole Testpaper
<b>Test Date</b>	: 11 March 2008
<b>Test Location</b>	: Integral University Lucknow
<b>Posted By</b>	: Ashok

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:  $\text{Ns}^2/\text{m}$

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  $(A-C) \cup B$  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 meet=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:  $(N/1000) * (N/10) * 10 + (N/100) \dots \dots \dots$  (not sure)

16. Which of the following is a singular matrix.

Ans: Determinant must be zero.

17. If Rs.1260 is divided 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 =  $((42-25.5)/42) * 100 = 39.3$

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. What might be the class marks of 3rd student who has got '0' marks in final exam?

23. Find the value of 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 RBEKGI 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  $80*4=320$  minutes or 5 hrs and 20 minutes. therefore time taken by plane is 2+5 hour 20 minutes i.e 6.40 pm.

33. Find d unit of given expression -  $(\text{Force} * \text{Distance}) / (\text{Velocity} * \text{Velocity})$ ?

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 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  $\beta$  etc..... Then he started asking from digital elx like multiplexer, demux, decoder, flip flops(types, logic diagram, etc....) , thyristors from power elx,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.

Hint:  $a > b ? (a > c ? a : c) : (b > c ? b : c)$

Then they asked general questions like: Why tcs? u r from elx 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.

ASHOK MAURYA.

Test Paper :12	
<b>Paper Type</b>	: General - Interview
<b>Test Date</b>	: 26 March 2008
<b>Test Location</b>	: Silicon Institute Of Tech.,Bhubaneswar
<b>Posted By</b>	: Surya

#### 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)

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

Test Paper :13	
<b>Paper Type</b>	: General - Interview
<b>Test Date</b>	: 9 March 2008
<b>Test Location</b>	: V.I.ET ,Dadri .
<b>Posted By</b>	: Ashutosh Singh

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 .

Best of LUCK . See u at TCS ...

<b>Test Paper :14</b>	
<b>Paper Type</b>	: General - Interview
<b>Test Date</b>	: 25 March 2008
<b>Test Location</b>	: K.I.I.T Bhubaneswar
<b>Posted By</b>	: Juggernaut

TCS INTERVIEW ON 25th MARCH AT BHUBANESWAR

Well guys !!!TCS recruited perhaps the highest number of students from our college i.e KIIT and the figure is 310 to be precise..Around 500 had qualified for the interview (HR and Tech combined) from 550 who were allowed to write the written test. And not to mention I was one of the lot. Thanks to all the papers uploaded on this site by numerous people .I am not uploading my written test paper because all the questions were same .But u must be cautious while reading as they have changed the values .They have prepared a same set of questions with values changed and the same questions are being given all over india.So my suggestion for the written are simple. Just solve 2-3 papers uploaded on this site and i believe u will be through the written test. For L.R section just go through barron's 12th edition .Same for the comprehension

Now comes the P.I. part. Luckily I had H.R and tech combined .In case u don't no need to worry ..Just go through the basics of whatever fav subjects u r going to mention.U never no which panel u would get. In some panel they would only H.R and in some other only Tech. So it all depends.They may not ask u form ur fav subjects and at the same time they may ask about NEWTON's laws of motion, gauss law ,faraday law etc.So u see u need to know abt the basics and some indepth knowledge abt ur fav. subjects.It may happen that they may not ask for for ur subjects.It depends.....

So I am only going to tell u abt my interview experience I gave my P.I to a lady and don't take her for granted ....

Lady:: so tell me abt urself which is not mentioned in ur resume.

me:: told abt my hostel life

Lady:: so what is the best part of hostel life?

me:: told something abt unity,to adapt

Lady: :if someone does a wrong thing( in a workplace) what would u do

me:: told

lady:: draw the architecture of 8085 mp

me:: did and explained too(u should)

lady: diff between c nd c++

me:: told

lady:: diff between linux and windows( i had done a project on linux)

me: :told

lady:: some more questions abt my project

lady:: name first 10 elements of periodic table(when did this come from)

me: could tell only first five but told sorry

lady:: tell me newton's first law and 2nd law

me: :told both

lady:: who is the CEO of TCS

me:: mr s rama dorai

lady:: what do u know abt TCS

me:: told what i had gathered frm net(u must listen at the presentation)

lady:: some questions on hobbies what do u generally blog abt

me: :told

lady:: are u on orkut

me:: yes mam

lady:: how many hrs do u spent on orkut

me:: defended myself by saying that i visit only when any notification abt new scraps come into my mail  
lady:: seems satisfied  
lady:: u can ask any question  
me :: asked abt recession  
end of the interview

One sincere advice to all of u . You must know each and everything u mention on ur resume .Speak well and support with examples. don' have a rigid stance .Brush up ur fundamentals I am frm ETC department so people from my department need to know simple programs in c and concepts of c++. thats it from myself Best of luck . Remenber TCS is not the end .

Test Paper :15	
<b>Paper Type</b>	: General - other
<b>Test Date</b>	: 20 March 2008
<b>Test Location</b>	: N.I.S.T,Berhampur
<b>Posted By</b>	: Sonu Agarwal

TCS PAPER ON 20th MARCH 2008

Hi!!! Friends I am Sonu Agarwal of EEE branch.TCS visited our campus on 20th March. The PPT started at 9.00am and went on for almost 2hrs.

They were very friendly and encouraged to ask questions. Listen carefully n if possible take notes as they ask questions based on company details also. They emphasized that they give more importance to fundamentals. So friends brush ur basics especially 12th physics and maths. Do go through its website carefully!!!

There were 2 rounds

1. **Written (90 minutes)**
2. **Tech &H.R.**

The **written** was for 90 minutes .It was divided into 3 sections English, Aptitude and Reasoning .All from GRE Barons(12th Edition).English consisted of Antonyms, Synonyms and completion of sentences.

The **aptitude section** consisted of all previous year paper questions

- 1.matrix 9,5 tell memlocation
2. wire problem Under river and on land
3. orthogonal pairs n probs on pie graph n bar graph
4. pls go through prev papers all of them r d same

**Reasoning** consisted of GRE 12th Edition Model Papers. Some names or bits were changed but the answers were all the same.

1. Democratic ,Justice party etc

2. Three ways 2 go to office. Over the road, tunnel, bridge.
3. penguin publication, books bought heron publication etc.
4. Celtic, and other languages.
- 5 Big University and Small University problem.....

Most of us easily cleared the written easily and were called in to fill the forms almost immediately. So please be ready with your resumes ,photographs ,passport no ,pan no (if any) beforehand.Fill in the form only as per the instructions .

Then the **H.R. round** began. It was around 2.30pm.I waited 4 my turn. It started with CSE students. I was called for interview at 10.30pm.Folks u need 2 have patience and do dressup smartly. There were 2 people ,one of them had given the PPT in the morning.

I wished both of them .One of them stared speaking French .I had mentioned a summer course in French.So beware whatever u mention be thorough with it.

We talked in French then he asked my fav subject

Ans: I told C++

He asked why not electronics subject??

Ans: I said I was comfortable with electronics also

He asked me to define a class of type bottle(There was a mineral bottle on his table)

I told that length,breadth,material would be its data members.he asked me what are methods?difference between methods n functions? Class bottle could have what methods and why??

He asked if an object can be referenced to another class object? Explain function overloading? Difference between malloc n calloc? Questions from physics.

In which direction does magnetic needle point ?why does it fluctuate ? what is buoyancy,upthrust,flotation, archmedies principle,newtons laws of motion.

They asked questions from almost all chapters of physics. They shifted to RDBMS.

Asked difference between union and equi join. Queries 2 join 2 tables and get the details of all employees of a particular department ,to get details of a particular employees from a table etc.Basic computer architecture questions like bits ,bytes RAM,ROM etc

He asked what id ibdef.buf. a buffer type file used in all systems.there were many more questions.Both of them were asking with equal zeal.one of them who new French talked some more in French.I asked them 2 explain the 6-sigma method.

They explained elaborately and shook hands with me .I thanked them and returned.

All through d interview I was confident n smiling.I said no when I didn't know an answer exactly but tried 2 give some reasoning on that.

Next day in the evening the results were out and by Gods grace n wishes of my frens ,seniors n all I was selected.Special Thanks to all those who contributed 2 freshersworld and freshersworld itself 4 being so cooperative. So wish u all the best !!!!!

Prepare n I m waiting 2 meet u at TCS.....

<b>Paper Type</b>	: General - Interview
<b>Test Date</b>	: 2 March 2008
<b>Test Location</b>	: Lit College, Alvar
<b>Posted By</b>	: Richa Chakravarty

#### TCS PAPER ON 2nd MARCH 2008

aptitude consisted of the same pattern ie verbal, quantitative and logical.test was online.practice vocab from barron's gre.technical interview:

sir: goodmorning,please take ur seat.

me: thank u.

sir: u r from indore,wat is the another name of the same?

me: ahilyabai nagari.

sir: name any industrial centre near to it?

me :pithampur.

sir: draw two sine waves of two different frequencies,and which will travel faster and why?

me :told.

sir: have u seen a capacitor,how does it look like?

me: told.

sir: have u seen inductor,-----like?

me: told.

sir: why dsp is ur area of interest and its applications?

me: told.

sir: if i charge a capacitor and hold will i get current?

me: explained.

sir: gave a blackbox and told to implement with a circuit.

me :tried....i think it should be so.

sir: asked about virtual functions,abstract classes from java

me: explained.

sir: difference between c++and java.

me: explained.

sir: thank u.

me :thank u sir. immediatedly i was called for hr.they will test ur stress levels and management skills. be confident and relaxed.

finally at 6'o clock results were declared and i was selected.

all the best!!!!

<b>Test Paper :17</b>	
<b>Paper Type</b>	: Whole Testpaper

<b>Test Date</b>	: 17 March 2008
<b>Test Location</b>	: Krupajal Engg College, Bhubaneswar
<b>Posted By</b>	: Akhilesh Thakur

## 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 from TCS 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 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 = 8 cents  $\Rightarrow$  1 pencil = 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 alone 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 =  $(X + \frac{1}{4}) + X = 4 \frac{1}{2}$

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

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

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  $M = \text{square root of } 100N$ . If the size of the program is increased by 1% then how much memory now occupied?  
Ans: 0.5%(SQRT 101N)
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 RBKGI 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% ( $\text{SQRT } 101N$ )

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:

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:  $109 \dots A-B$  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 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)

### 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.

Test Paper :18	
<b>Paper Type</b>	: General - Interview
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<b>Test Location</b>	: C.V.Raman College of Engg. Bhubaneswar

<b>Posted By</b> : Omkar Dash
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## TCS PAPER ON 15th MARCH AT BHUBANESWAR

Hello Frenzd !! I am Omkar Dash from CVRCE (I.T), Bhubaneswar. I was one of the lucky 130 students who got through campus recruitment procedure of TCS with success.

This is just to provide you an insight into what sort of qns can be asked in TCS interview . My friend Mukul from electrical branch had already uploaded the complete test paper of qubex(TCS testing software is called qubex).The online exam was held on 14.03.08 followed by pi on 15.03.08 and the results were declared on 00:02 hrs of 16.03.08

The PI was TECH+HR at a time. There were 15 panels each containing 2 people. Interviewers were reasonably cool but that dint promise good times to many during interviews. What i summed up from the interview was that the Pi round was totally attitude-centered. What they checked was attitude. And i have sound reasons to say so. Many people who were very good in tech dint qualify because the only lacunae they could have possibly have was lack of positive attitude and confidence.Well, communication skills were fine enough for many.

Let me now give a gist of my interview. Mine was the last interview of panel 5 in Slot 3 and it was basically a stress interview. It lasted for 35+ minutes and i was asked about all topics except C, C++, Data Structure, RDBMS, OS, or Computer Networks. (These were my core papers as my branch is IT). Now one would wonder what was asked. Well, I had a well tailored CV and even the HR made a great remark on my CV as “one of the best CVs that I have seen in recent times “. But that remark was the sole cause of the stress I was put into. In my CV, I had 6 bulleted points of Awards and Achievements out of which 3 were first prizes in Paper presentations (Human Area networking, Deep Web, Web 2.0).

My **interview** went like this:

(Member 1 : Tech- Male, member 2: HR-Female. I, accompanied by volunteer entered the interview room. Wished them. I was offered a seat)

Mem1: So Omkar, nice name.

Mem2: Tell us what do you do daily? (I never expected this; all my friends were asked tell me about yourself. So paused for a while and then begun with confidence)

Me: I make my today better than my yesterday and strive for a better tomorrow!! I am eager for improving myself both personally and professionally. I try to be a better person with every passing day.

Mem2: Witty answer Omkar, but one could possibly infer that you are a bad person and just trying to be good.

Me: Mam, I think there always a scope for improving ourselves.

Mem1: Okay tell what all technical knowledge you have.

Me: Sir I know C, C++, Data Structures, and RDBMS.

Mem2 :( cutting me short) what else?

Me: OS, CN

Mem1: But we expect you to know something else, something more?

Me: Sir I know basics of HTML, JavaScript and CSS.

Mem2: What is normalization?

(I was about to begin but I was cut short again)

Mem1: What is DKNF? (again cut short)

Mem1: What is a OORDMS?

Me: Sir, OORDBMS is Object Oriented DBMS.

Mem1: Okay tell me what two tier architecture is.

Me: I answered. e.g.: Client Server Architecture.

Mem1: Now, take is paper and explain me three tier architecture.

Me: Tried to explain. (But he interrupted)

Mem1: Ok, Omkar. Many of your friends will ask you what questions we have asked you. Its up to you what you tell them. But let me give you an example of three tier arch. That you should share with everyone sitting outside. (And he explained until he cleared all my doubts)

Mem2: Ok Omkar you have a Gmail Id , Tell me what Gmail uses ?

Me: AJAX

Mem1: What is AJAX?

Me: Asynchronous JavaScript and XML?

Mem1: What that XML?

Me: Sir XML stands for Extensible Markup Language.

Mem1: What is the best feature of XML?

Me: Sorry Sir.

Mem2: You don't know anything.

Mem1: Okay explain me your 1st seminar.

Me: I explained. (Then I was cross questioned on that)

Mem1: What is Web 2.0 omkar? (Web 2.0 was my seminar topic)

Me: Explained.

Mem2: Is it like a new www replacing the old?

Me: No sir, Not exactly, but adding new features to the old one for making it more user friendly.. etc etc

Mem1: What is Deep Web?

Me: Explained.

Mem1: How can you search in deep web?

Me: explained

Mem1: Ok tell me what an SQL query does?

Me: Sir, It's a 4GL language. So it has to be converted into machine readable code for serving its purpose. Then I explained query processor

Mem1: Tell me about differences between Google query and SQL query?

Me: explained

Mem1: You have Data Structure in Syllabus na?

Me: Yes Sir.

Mem1: Explain me Hashing.

Me: Sorry sir. / I don't know.

Mem2: Omkar you know all these useless things but you are not clear with basics.

Mem1: (To mem2) we are looking for smart guy, isn't it? This guy knows good things but will he sustain in Industry without basics?

Mem2: TCS is not the right place for him.

Mem1: Ya, You are right.

Mem1: Omkar are you clear with basics, your comment on yourself?

Me: Sir, you have seen me what I am today. But as I said before I strive for constant improvement. I can guarantee that when I join the company I shall be thorough with basics. And wherever the flaw still existed, the training would clear it off. Because I have heard that TCS training is best in the world.

Mem2: Let's see.

Mem1: Omkar explain me B+ trees.

Me: (started explained correctly and I was interrupted)

Mem2: Omkar tell me what is Indexing in Database?

Me: (Tried to explain)

Mem2: Dint I say you are simply bluffing. You are good for nothing. Why are you wasting your time here?

Mem1: I am sure you don't know anything.

Me: Sir May be I don't know all these hashing and indexing but I have learnability and I can learn it in no time. If you could kindly explain me that and ask few questions may be I could answer it.

Mem1: So, am I here to teach you?

Me: No sir. I just try to make every experience a learning one. So I still request you to explain me

Mem1 :( he explained)

Mem2: Omkar you seem fat? If you could not maintain you body how can you maintain a project?

Me: I am trying to reduce since past three months, and I have already shred away 7 kgs. Given more time, I will definitely shape up myself.

(Mem1 drew two tables and asked me to pick up the normalized one and I did so)

Mem1: What is paging?

Me: explained paging.

Mem1: what is an IVT?

Me: sir, IVT means Interrupt Vector table

Mem2: No. Its not that, you don't know anything. You are just bluffing.

Mem1: Ya, you are bluffing..(then he kept on quizzing me for another 5 minutes)

Frendz, this interview may not be repeated with anyone. But this was a guideline for answering such type of interviews. I just kept my cool , answered with smile on my face and confidence on my words. And I was through.

Yap , the last qn:

Mem2: Omkar do you think you are selected.

Me: Yes ma'm I do think so. Because I am still not convinced that I am rejected and still now there has not been a single moment I lost my confidence on my abilities. I have full trust on my skills and I believe that God is the wind beneath my wings.

Mem1: Omkar wait for results, Hope for the best!!

Whatever big things I may say, but I was sure I was rejected. But the results spoke that I handled stress very well... And that could possibly be my destiny

Comelets experience certainty. See you at TCS

Regards,  
Omkar

Test Paper :19	
<b>Paper Type</b>	: Whole Testpaper
<b>Test Date</b>	: 11 March 2008
<b>Test Location</b>	: Integral University Lucknow
<b>Posted By</b>	: Rahul

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..)**

#### **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 fisher man 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 4  
.....and 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 fourth of his income?

Sol) incomes: 3:4  
 expenditures: 4:5  
 $3x - 4y = \frac{1}{4}(3x)$   
 $12x - 16y = 3x$   
 $9x = 16y$   
 $y = \frac{9x}{16}$   
 $(3x - 4(\frac{9x}{16})) / ((4x - 5(\frac{9x}{16})))$   
 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 1 hr. ( $50/10$ )  
 now A & B can copy 70 pages in 10 hrs.  
 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 1 hr.  
 therefore, to copy 26 pages B will need almost 3 hrs.  
 since in 3 hrs 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 complement of C and then add it with A,

That will give us (A-C)

2's complement of C=1's complement 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,

Whose decimal equivalent is 187.

14) One circular array is given (means memory allocation takes place in circular fashion) dimension (9x7) and starting add. is 3000, What is the address of (2,3).....

Sol) it's a 9x7 int array so it requires 126 bytes for storing. b'c integer value needs 2 bytes of memory allocation. and starting add is 3000  
so starting add of 2x3 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 have to find from x(8,1) so u have x(1,1), x(1,2) ... 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 = 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 occupyes 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:  $-t/6+4t+12$  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 equestion 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 multiplid 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 ==6then divide 100 with 6 , which turns out 16 hence answer is 16short 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  $c = 25 \times 70 = 1750$  i.e.  $1750 = a + 25k$

total cost when 50 boarders  $c = 50 \times 60 = 3000$  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

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

so total cost when 100 boarders  $= c = a + 100k = 500 + 100 \times 50 = 5500$

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 =  $2 \times x$  rupees

also mentioned, 6 pens + 14 pencils + 8 erasers =  $1.5 \times x$  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 ..  $10 \times 3 = 30$

(ii)  $10C1 = 10$  for 10 boxes ....  $10 \times 10 = 100$

(iii)  $9C1 = 9$  for 10 boxes .....  $10 \times 9 = 90$

30)  $(1 - \frac{1}{6})(1 - \frac{1}{7}) \dots (1 - \frac{1}{(n+4)})(1 - \frac{1}{(n+5)}) = ?$

leaving the first numerator and last denominator, all the numerator and denominator will cancelled out one another. Ans.  $\frac{5}{(n+5)}$

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

Sol)  $\frac{4}{5}$  full tank = 12 mile

$$1 \text{ full tank} = 12 / (\frac{4}{5})$$

$$\frac{1}{3} \text{ full tank} = 12 / (\frac{4}{5}) * (\frac{1}{3}) = 5 \text{ miles}$$

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

$$1 * 3 = 3$$

$$1 * \frac{1}{3} = \frac{1}{3}$$

so he has to got  $\frac{1}{3}$

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  $\frac{1}{3}$  more than  $\frac{1}{2}$  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 fuel consumed in coming up is  $x$ . thus equation is:  $x + 1.25x = 4.5$  ans: 2 gallons

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 40 mins

$$\text{one man's one day work } (1/B) = (1/40)$$

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 weightings needed is just 5. as shown below

$$(1) \quad 80 \rightarrow 30-30$$

$$(2) \quad 15-15$$

$$(3) \quad 7-7$$

$$(4) \quad 3-3$$

$$(5) \quad 1-1$$

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 banana and 1 apple requires 5Rs.

so for 3 orange, 3 banana and 3 apple requires 15Rs.

$$\text{i.e. } 3x + 3y + 3z = 15$$

43) In  $8 \times 8$  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 get 100\*100 board just use the formula

the formula for the sum of the first n perfect squares is

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

---

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 cantnt 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: 10 min :: assume he started at 1:00, so at 1:30 he met car. 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 car 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 walk?

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  $\Rightarrow$  THE BIG TREE GROWS 4FT IN 2 YEARS. WHEN WE DIVIDE 4FT/5 =  $0.8 \times 3 = 2.4$

ans: 1.5 m  $4(x + (\frac{3}{5})x) = 8$   
 $\frac{8x}{5} = 2$   
 $x = \frac{5}{4}$  after 2 years  $x = (\frac{3}{5}) \times (\frac{5}{4}) \times 2 = 1.5$

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  $xx \times 3 = 111$

$xx = 111/3 = 37$

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

Second Two digit  $xx \times 6 = 222$

$xx = 222/6 = 37$

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

Third Two digit  $xx \times 9 = 333$

$xx = 333/9 = 37$

( 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 would imply that "yellow" is also the colour of the box which has the red ball (because according to 2nd question, the box of the red ball and 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 containing red ball is also pink....

$\Rightarrow$  the box colour left out is "green", which is allotted 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 place 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

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

$$8x + 12 = 5x$$

$$\rightarrow x = 4$$

$$9x = 36 \text{ not sure about the answer ..}$$

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 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  $10 + 1 = 11$

$$\text{n } 9 + 2 = 11$$

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

$$\text{so, the proportional constant is } = 64/(2^2) = 16;$$

$$\text{so, at 6sec the object fall maximum } (16 \times 6^2) \text{ cm} = 576 \text{ cm};$$

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

$$\text{Ans) first 50 ings.- run} = 50 \times 50 = 2500$$

$$51\text{st ings.- avg } 51. \text{ so total run } = 51 \times 51 = 2601.$$

$$\text{so run scored in that ings} = 2601 - 2500 = 101 \text{ runs.}$$

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

$$\text{hence at d end of 3 days, work done} = 1/7 + 1/8 + 1/6 = 73/168$$

$$\text{remaining work} = (168-73)/168 = 95/168$$

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 woman and a child can do a piece of work in 6 days, man can do it in 14 days, woman 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 reasoning ....go thru the barrons 5 model test paper....just mug up all the answer but beware .....they 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 them .....actually 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 hall .....i 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 answer ....just 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

all the best .....

<b>Test Paper :20</b>	
<b>Paper Type</b>	: Whole Testpaper
<b>Test Date</b>	: 14 March 2008
<b>Test Location</b>	: C.V.Raman College of Engineering , Bhubaneswar
<b>Posted By</b>	: Mukul

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 14th .....out of 340 eligible candidates 248 were selected for Interview round. A combined Technical plus HR interview was conducted on 15th .....130 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)TUBUIPO=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)SMTP,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)SMTP,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  $(A \cup (b - c))$

23. there was one pie 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 : 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

### **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 .
- 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

MUKUL

Test Paper :21	
<b>Paper Type</b>	: Whole Testpaper
<b>Test Date</b>	: 8 March 2008
<b>Test Location</b>	: BBDNITM Lucknow.
<b>Posted By</b>	: Yusuf Khan

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.

### **VERBAI 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. ( $= 24\text{hr} * 80 / 360$ ). 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  $(A - C) \cup B$  is .OR. logic operation on (A-C) and B  $10001001$  .OR .  $00110011$  The answer is  $= 10111011$ ,

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  $\frac{\text{MOMENTUM} \times \text{VELOCITY}}{\text{LENGTH} \times \text{ACCELERATION}}$ ?

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 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

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.

YUSUF KHAN

Test Paper :22	
<b>Paper Type</b>	: Whole Testpaper
<b>Test Date</b>	: 3 March 2008
<b>Test Location</b>	: LIET, Alwar
<b>Posted By</b>	: Sonal

TCS PAPER ON 3rd MARCH 2008

Hello

TCS recruitment procedure basically include 4 rounds:

- 1) **Online Aptitude Test**
- 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?
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.

All the Best!!

Test Paper :23	
<b>Paper Type</b>	: Whole Testpaper
<b>Test Date</b>	: 2 March 2008
<b>Test Location</b>	: Mody Institute Of Technology And Science
<b>Posted By</b>	: Shreya

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:**

- 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 modules 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 =  $((42-25.5)/25.5)*100$   
 $=39.3$

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	

Sol):  $Y = \log_{10}(X)$

4.72

5.) Find the unit of given expression -  $(\text{Force} \times \text{Distance}) / (\text{Velocity} \times \text{Velocity})$ ?

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  $(80/100 \times 70/100 \times 90/100) \times 100 = 50.4$

So, economy  $= 100 - 50.4 = 49.6$

8.) What is the largest prime number which can be stored in 6 bit register?

Sol.  $2^6 - 1$ , it gives 63 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 a 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)[ $\det(A) = 0$  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 =  $90 \times 4 = 360$  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 belows 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 the 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.

Test Paper :24	
<b>Paper Type</b>	: General - other
<b>Test Date</b>	: 2 March 2008
<b>Test Location</b>	: LIET Eng. College ,Alwar(RAJASTHAN)
<b>Posted By</b>	: Shivangi Mishra

### TCS PAPER ON 2ND MARCH 2008

Hi friends by GOD'S grace ,blessings of my parents n due to freshers world now I'm placed in TCS.... I'm student of MODY INSTITUTE OF TECHNOLOGY N SCIENCE (LAKSHMANGARH). my branch is computer science n engineering. our package is 3.15 lacs P.A. TCS had invited our coll' at LIET, ALWAR out of 211 194 r selected in apti, (as ques were all from the previous test papers on freshers world) finally 129 got selected.....

the events r as follows:

**1. PPT**

**2. APTITUDE TEST**

**3 TI**

**4 HR**

**5 MR**

some students have 2 interviews, some have 3 very few have 4 int.... I had 3 int. (guys beware as there is a rejection panel in TCS )

**1PPT** ..... do listen carefully as in hr they may ask ques frm ppt also ..... mine ques was (WHT 2 PTS DO U LIKE MOST IN PPT?)

**2.APTITUDE**...(NO NEGATIVE MARKING , BUT DER MIGHT B SECTIONAL CUT OFF) in VERBAL , der r 10 synonyms n 12 antonyms(go through high frequency words(BARRON'S GRE ABNY EDITION) as most r frm this but der r diff words also so it all depends on ur voc. der r 2 comprehension passages...(20 MINUTES) in QUANT ques. r from previous paper from this site only (DO ANUJ GUPTA'S PAPER HE HAS COVERED ALL D QUES.)but guys dont mug up d ans as some times digits r changed der is one ques. frm DI(RS aggarwal) n frm venn diag(like they will give u d diag n ask ques frm data shown in d diag.) in CRITICAL REASONING go through BARRON's 12th edition (ANALYTICAL ABILITY), especially go through d ques specified in ANUJ GUPTA'S PAPER (mug all d answers but b prepare for other ques also in my case der is one quest frm barron n 2 other ques r not repeated but these ques r easy n u can do it by urself if u had practiced 2-3 ques) test paper was online after every ans click on d subbmit button u ccan change ur option if u r in d same section take care of ur time n if der is less time do mark d ques. as der is no negative marking.....

**3.TI** as i 'm cs student he asked ques. frm c++,java n software engineering in c++ CALL BY VALUE ,CALL BY REFERENCE,OVERLOADING (ASK TO WRITE CODE ALSO) GIVEN A PATTERN N ASKED TO WRITE A CODE ASKED TO PRINNT DIS SER.1+25+100.....(upto 100th term) in java also asked to write code for overloading n overriding ask abt my project(go through ur project u shld know d dfds, code n lang which u have used) y TCS???(dis ques. is asked in both my ti as well as in my hr do prepare dis ques...n it shld not b stereotyped) total revenue of TCS, any recent news abt tcs, current rankin' , no. of employees,etc

**4 HR** as i'm frm MP n studin in RAJ (ques abt d diff bte 2 places ,wht u will do in 2 months b4 joinin' TCS,y TCS,y shld we select u?? ceo ,cfo,coo of tcs,color of website of tcs, chairman of tcs, founder of tcs...

**5.MR** ask abt my home town for wht it is famous for, abt ur family, y we shld select u, ask abt my variation in marks frm 12 to the current CGPA dey also asked the G.K like PM of India, vice president of india, president, agriculture minister, governor of ur respective state(so plz go through this also NOTE:for interview go thru tcs website thoroughly n mug up all d relevant facts.....

ALL D BEST SEE U AT TCS SHIVANGI

Test Paper :25	
Paper Type	: Whole Testpaper
Test Date	: 19 February 2008
Test Location	: Asansol Engineeribg College, Asansol
Posted By	: Kumar Saurav

## 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)

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 throgth 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 thet 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 .

$$y = \tan x$$

$$y = \cos x + 2$$

$$y = \log x \dots \text{practice this type equations only.}$$

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 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 .

1° 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  
 $6:00 + 10:00 = 4:00\text{pm}$

Going from east to west so subtract 4hrs from 4:00pm...

$4:00\text{pm} - 4\text{hrs} = 12:00\text{pm}$

(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) 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 be there on the venn diagram.(u can prepare this part from R.S.Agarwal)

28-30> 3 Questions on Data interpretation

it can be 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  $n = 105 \times 28 \times 51$  which one is not int?

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 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 it .....explain  
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.....

Test Paper :26	
Paper Type	: Whole Testpaper
Test Location	: R.C.C InstituteOf Information Technology
Posted By	: Aritra Sinha

TCS PAPER

Guys....do the all the qstns given below.....u will get 80% common from these...all of we got....TCS always repeat same qstns....Just do these first..... It is proved by everyone that..these qstns are repeated in each year...

### QUANTITATIVE APTITUDE SECTION

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

Sol: 2 pencils  $\Rightarrow$  8 cents  $\Rightarrow$  1 pencil  $\Rightarrow$  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 =  $(X + \frac{1}{4}) + X = 4 \frac{1}{2}$

$\Rightarrow 2X + \frac{1}{4} = 4 \frac{1}{2} \Rightarrow 2X = 4 \frac{1}{2} - \frac{1}{4} \Rightarrow 2X = 4 \frac{1}{4} \Rightarrow X = 2$ . 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:  $(1/3) * 1 * 3 = 3$ , 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'

=  $2 * 10\text{mph} = 20\text{mph}$

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

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  $\frac{3}{5}$  of the other in 4 years, total growth of trees is 8 ft. what growth will smaller tree will have in 2 years

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  $\frac{8}{3}$  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

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 = 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)

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: qcckj

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

Ans:0.5%(SQRT 101N)

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:  $109 \dots A-B$  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.  $(\text{Momentum} \times \text{Velocity}) / (\text{Acceleration} \times \text{distance})$ . 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  $18^\circ\text{N } 10^\circ\text{E}$  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

(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's average in first 50 innings was 50. After the 51st innings his average was 51. How many runs did he make 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 a 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 =  $(X + \frac{1}{4}) + X = 4\frac{1}{2}$

$\Rightarrow 2X + \frac{1}{4} = 4\frac{1}{2} \Rightarrow 2X = 4\frac{1}{2} - \frac{1}{4} \Rightarrow 2X = 4\frac{1}{4} \Rightarrow X = 2$  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 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 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)

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 son 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 and 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)

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  $X, Y$

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  $X, Y$

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  $Y$

### 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 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 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 bye 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  $\log 0.319$ .

Bye,  
Aritra Sinha

<b>Test Paper :27</b>
<b>Paper Type : Whole Testpaper</b>

<b>Test Date</b>	: 27 February 2008
<b>Test Location</b>	: Guru Nanak Institute Of Technology,Kolkata
<b>Posted By</b>	: Amit Bhuinya

TCS PAPER ON 27th FEBRUARY 2008

HI, this is AMIT BHUINYA from GURU NANAK INSTITUTE OF TECHNOLOGY (KOLKATA) from E.C.E.

TCS campussing was done in our college in two stages:

- 1) **Aptitude test**
- 2) **Technical and HR round**

We were asked to be present at the seminar hall at 8.30am sharp. After the ppt which was given at around 9.30am; the aptitude started. We were divided into two batches. The first batch started their apti at around 11am and the second batch at 1pm.

#### **Aptitude part:**

It consisted of 3 sections:-

##### **A) Verbal**

It consisted of about 10 synonyms, 10 antonyms, followed by some questions on comprehension. For the synonyms and antonyms its better to go through Barron's 12th edition book.

##### **B) Quantitative**

It consisted of problems from the following topics: Time & distance, time & work, permutation & combinations, probability, numbers, equations, average, simple & compound interest, ratio & proportions, Venn diagrams, allegation of mixtures, etc For this part I would suggest all of you to go through the book by R.S. Agarwal's Quantitative Aptitude. You must also go through previous years question papers to get problems of similar types.

##### **C) Critical Reasoning**

It consisted of passages from Baron's 12th editions model test papers. My passages were:

Model Test 1, Sec 6, Q8-11

Model Test 3, Sec 5, Q1-4

Model Test 4, Sec 6, Q8-12

Out of 216 students who appeared for the aptitude 170 students were selected for the interview.

#### **Technical and HR:**

We were asked to fill in the blue form and then we were called one by one for interview. My turn came at about 9.40pm. I entered the administrative block room. There were 10 panels each having 2 interviewers. I was led to panel no 5. There were 2 young persons sitting. I asked them "May I come in". They nodded. Then I asked them "May I sit". They told yes. I thanked them. Then started my interview.

MR: Have u studied Microprocessor in ur sem?

Me: Yes sir.

MR: Tell me how many pins are there in total?



Me: 40 pins.

MR: U r a student of electronics and communication engineering, so define “communication”?

Me: Communication is the process of conveying or transferring messages from one point to another. MR: Draw a circular Linked list?

Me: Drawn.

MR: Why TCS?

Me: Answered.

MR: What if I don't hire u?

Me: Answered.

MR: What r ur strengths?

Me: Answered.

MR: What r the qualities of a good leader?

Me: Answered.

MR: He gave me a situation where I was the captain of a ship which was beginning to sink in the middle of the sea. He then asked me what I would do if there were not as many lifeboats to accommodate all the passengers.

Me: Answered.

MR: Do u have any questions?

Me: Yes sir what r the programming languages that I need to learn before joining TCS.

MR: He asked me in which field I wanted to go?

Me: I answered Java.

MR: So he told me to learn Advanced Java & J2EE.

Then he shook hands with me. I wished them “Good Night”. It was a brief 20mins interview and ended at 10pm. The whole interview of our college ended at 11.30pm. We were all feeling very hungry so we went to our homes as early as possible.

The results were declared on 3rd Mar at about 4 pm. Of the 170 students 90 were selected. I had my name at no 48. It was a big moment of relief. Lots of congratulations were coming from both the friends and teachers. My parents were overjoyed.

One last tip I want to give to all of u: If you r having a good academic background and is a good communicator in English, u r bound to get selected. And always be confident of what u are saying and practice apti well.

Thanks for reading this;

Best of luck and see u in TCS,

Test Paper :28	
<b>Paper Type</b>	: General - other
<b>Test Date</b>	: 8 February 2008
<b>Test Location</b>	: Bhilai

<b>Posted By</b> : Anju
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TCS PAPER ON 8th MARCH 2008

Hi TCS came to my college in feb and I m glad that now I m a part of TCS. I m giving here some important tips to prepare for TCS.

As u might know that there are three rounds

**1.Written**

**2.Techincal**

**3.HR**

Again **Written** contains following sections:-

**1.Verbal:**

10 Antonyms

10 Synonyms

For Antonyms refer barron's 12th edition Antonyms chapter pg no.126 and all the antonyms ques given in model test papers.

I got all the ques from these only.

For Synonyms refer the exercise given after the GRE high frequency word list.

Reading Comprehension & Sentence Completion:-For this prepare all passages given in the chapter for RC in barron n all passages from the model test paper.

I got the dilemma of fungus for sentence completion n "the works of dozens of women writers" n the passage abt "Du Bois" for rc

**2.Qunatitaive Aptitude:**

Prepare the previous year ques most of them are same.Here I m giving only those ques which I felt where diff

1. The same matrix one in which u have to find the address of given element but in column wise manner.

2. if  $f(n)=f(n-1)*n$  and  $f(0)=1$ .find  $f(4)$

Then there were ques on venn diag which same as previous year ques but I don't remember

**3.Critical Reasoning:**

For this section just mug up all the ques given in the model test papers of barron 12th edtion.

After clearing the written test u r called for tech interview. Friends the trick to clear tech n hr is to be confident n always have a smiling face no matter how long u r waiting for chance

**My tech** was as follows:

1st they asked me tell abt urself.Then they asked microprocessors I have studied as I m from cs I had 8085 in my course.They asked me how many pins r there in 8085 n to draw its pin diag.As I was drawing it they interrupted me asked to draw the block diag of 8085.Then they asked some basic ques on it like what is sp(stack ptr)etc.Then they asked me to wap in assembly lang to swap data stored in two reg.

Then they asked me to wap two perform bubble sort n asked some basic ques frm that prog written in c.

They asked abt my training. There ques on dbms, so they asked me what we had studied in these subjs n asked ques according to my ans.

After this very soon I was called for hr round.

There was one sir one mam

1st of all mam asked me are u nervous? i said no. To this sir said she is nervous. Well then

Sir asked me to tell me abt urself then mam asked to tell abt my family background.

Then sir asked my strengths then asked ques on it.

He gave me situations to judge my strengths n confidence.

Then he asked me basic qualities for a person to be successful.

He asked me the most important problem of my state n I was cm of my state how will I overcome it.

Then he said he will ask one last ques from tech n asked abt data encapsulation.

He again asked me if i m nervous.

Then mam asked me if I m ready to work anywhere

And then abt the bond n any ques if I want to ask.

So this was my experience. Friends just be confident n always keeping praying bcoz God always listens n luck also matters a lot. I always thank god for my selection.

BEST OF LUCK.

HOPE WE MEET IN TCS.

Test Paper :29	
<b>Paper Type</b>	: Candidate Experiences
<b>Test Date</b>	: 14 February 2008
<b>Test Location</b>	: Techno India, Saltlake, kolkata
<b>Posted By</b>	: Richa Gupta

TCS PAPER ON 14th FEBRUARY AT KOLKATA

Hi Richa Gupta of Techno India. TCS came to our college on 14th February 2008. A small piece of advice from me to all who wanna get recruited in TCS. After U follow this its sure that U will crack it.

The pattern of TCS is as follows:

**Section 1:**

10 antonyms (practise from Barron model test papers 1-5 verbal sections)

10 synonyms (previous yrs tcs papers)

fill in the blanks comprehension

To tell u guys truly I dint get time to solve fill in the blanks n comprehension

**Section 2:**

Quantitative: All from tcs previous yrs papers. Solve n practise it thoroughly. Dont neglect.

No need of even solvn R.S Agarwal.

**Section 3:**

logical resoning passages. (Barron model test papers 1-5 analytical sections)

just mug up or apply any other mean convenient to u if u cnt understnd. But dont ignore it. If U solve all the 5 test papers's analytical sections all the 12 questions of this section is at ur fingertips.

I hope this will help all of U tryn for TCS.

Test Paper :30	
<b>Paper Type</b>	: Whole Testpaper
<b>Test Date</b>	: 28 February 2008
<b>Test Location</b>	: JMIT, RADAUR
<b>Posted By</b>	: Sakshi

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 .

**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  $X(1,1)$  z 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 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  $\frac{x}{y}$  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.

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 d result wid 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 dans 5.40).

Q-24 standard deviation: which of d 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).some thing 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 d companies work in combine ,what will be there net savings? (ans: suppose total income 4 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:  $(x_1 + x_2 + \dots + x_{50})/50 = 50$ ;  $(x_1 + x_2 + \dots + x_{50} + x_{51})/51 = 51$ ;  $(x_1 + x_2 + \dots + x_{50}) = 2500$   $(x_1 + x_2 + \dots + x_{51}) = 2601$ ;  $x_{51} = 2601 - 2500$ ;  $x_{51} = 101$ ).

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 a type 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 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.

Test Paper :31	
Paper Type	: Whole Testpaper
Test Date	: 21 February 2008
Test Location	: Mallabhum Institute of Technology
Posted By	: Abhishek Naskar

TCS PAPER ON 21<sup>ST</sup> 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 [21<sup>st</sup> 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 12<sup>th</sup> 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.

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.....

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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.

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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 campusing.

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.

BEST OF LUCK TO ALL OF YOU.....

Test Paper :32	
<b>Paper Type</b>	: Candidates Experiences
<b>Test Date</b>	: 21 February 2008
<b>Test Location</b>	: Mallabhum Institute of Technology
<b>Posted By</b>	: Abhishek Naskar

TCS PAPER ON 21<sup>ST</sup> 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 [21<sup>st</sup> 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 12<sup>th</sup> 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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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.

<b>Test Paper :33</b>	
<b>Paper Type</b>	: Whole Testpaper
<b>Test Date</b>	: 21 February 2008
<b>Test Location</b>	: Mallabhum Institute of Technology, Bishnupur
<b>Posted By</b>	: Abhishek Naskar

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Test Paper :34	
<b>Paper Type</b>	: General - Interview
<b>Test Date</b>	: 3 March 2008
<b>Test Location</b>	: SRMCEM, LUCKNOW
<b>Posted By</b>	: ABHINANDAN ASTHANA

TCS PAPER ON 3rd MARCH AT LUCKNOW

Hello Friends its Abhinandan Asthana I have been selected for TCS in our college. I am Electronics and Communication Student  
First thing which i like to say all aspiring for TCS is that go through previous paper for quantative aptitude and GRE Barrons 12 th edition for critical reasoning and verbal part I can tell u all the passages are same as in barons in critical reasoning go through model test paper all 5 its enough and u definitely clear written exam same with me after seeing congrats on screen and after filling form the technical round has started i have been get call at 8:20 in night i was the last person to go for technical on that day bcoz i m in batch 1 the interview was lie that first

he asked: Abhinandan u r looking very tired

I replied no sir its bcoz i hav not taken my breakfast

then he said u hav taken ur lunch i replied no sir i was givin my written at that time

then he asked about my hometown Varanasi

I replied

after that he asked about my hostel life

i replied

about 15 min passed and i was thinking it i hr or technical then he asked u hear radio city

i replied yes

then he started asking wat is FM?

i replied

registers of 8085 microprocessor?

i replied

flags of 8085?

i replied

wat is flip flop?

i replied

difference b/w calloc malloc realloc function?

i replied

wat is pmos nmos cmos?

after that he started asking about my training which i have done from IIT Kanpur in networking

i replied

after that he asked me to ask something abt them he told me abt their training procedure etc.

my interview last for abt 40 min. at 9:00 p.m. i will not get call for hr bcoz they hav taken my tech and hr both in one round on the second day at night around 12:00 result is flashed and I was selected total 14 from my branch EC And 56 from college i hav not slept for whole night in happiness. go through the tips and u definitely

Test Paper :35	
<b>Paper Type</b>	: General - Interview
<b>Test Date</b>	: 27 February 2008
<b>Test Location</b>	: Gurunanak Institute Of Technology
<b>Posted By</b>	: Suvabrata Chatterjee

TCS INTERVIEW ON 27th FEBRUARY 2008

well fellows this is SUVABRATA CHATTERJEE from GURUNANAK INSTITUTE OF TECHNOLOGY in APPLIED ELECTRONICS and INSTRUMENTATION

we had TCS on 27 th feb 2008 on our campuss

the entire selection was mainly done in two section

**1>APTITUDE**

**2>HR/TECHNICAL**

**APTITUDE:**

aptitude mainly consist of 3 section

**a)VERBAL**(english)

some general SYNONYMS+ANTONYMS see the last year papers well I remember few

ATTENUATE

PLAINTATIVE

ONUS

MUDANE

then it had some paragraph which u need to read and “fill in the blank”

## **b)QUANTITATIVE**

this is the section which u need to concentrate more becoz its easy to get hold of

1 series sums

2 longitude latitude sums 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

3)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?

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

5)If  $G(0) = -1$   $G(1) = 1$  and  $G(N) = G(N-1) - G(N-2)$  then what is the value of  $G(6)$ ?

6)One circular array is given(means memory allocation takes place in circular fashion) dimension(9X7) and starting add. is 3000,What is the address of (2,3).....

7)What is the highest prime number that can be stored in a 9-bit microprocessor?

8)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 ?

9)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

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)) ?

this is what I remember ...go through last year papers u will get “common”

## **HR/TECHNICAL**

my hr and technical interview was bit long 45 min ts us take interviewer 1 as

MR. A and second as MR.B

me=may I come in sir?

MR. A =Yes come in

me=good evening sir

MR. A =have a seat

me=thank u sir

MR. A =so u r Mr Suvabrata Chatterjee right?

me=Yes sir

MR. A =so tell me about ur good qualities

me=explained...them I used the “dynamic” as one of them

MR. A =DYNAMIC ...what is dynamic

me: explained it

MR. A =so what r u bad qualities?

me=Sir I happened to believe lot of people which might end up in problems so I am looking

forward to fix it

MR. A= ya I see, so u r an instrumentation student? Right?

me=yes sir.

MR. A=So why are u coming to IT sectors?

me=well sir I am an instrumentation engg so I have a graet knowledge in MICROPROCESSOR so with this knowledge I can serve IT sector better...most software run on a desired hard ware so with the good knowledge I can make things better

MR. A=ok....then tell me why should TCS hire u??

me=well as I said before I have a great knowledge in MICROPROCESSOR and good knowledge in PROGRAMMING moreover I am interested in REVERSE ENGINEERING(always put some unique thing)

MR. A=REVERSE ENGINEERING?? what is that?

me=well this is a method by which we can reverse the code ie the EXE file can be broken down to make the CODE visible

MR. A=how can it advantageous?

me=well I a group of programmer get detached from company or doesnt work anymore...with this method I can reverse to create the entire code he has generated in his mind it might be a useful f or this cases...

MR. A=is there any other way to get help?

me==might be but it seems to be more efficient...rather less resource consuming..

MR. A=good but..it...

me=well this can be considered as a HACKING but in an ETHICAL way

MR. A=so what r the basics u need to make a software rather how u r going to serve us.

me= firstly we need a good concept in programming...we need to make the "TIME COMPLEXITY" less and also the"SPACE COMPLEXITY" moreover we need to make the benchmarking for each test then add up the module to make the complete stuff...rather we also need to make ANTI-TAMPERING protection

MR. A=well well...

MR. B=well good...now what programming u know

me= sir I am confident in C language

MR. B= any other like C++ etc

me=no sir we dont have it in Sylbs but I am looking forwiord to it

MR. B=what the need of these other language

me=well its mostly PLATFORM INDEPENDENT eg JAVA...it might run in all system like LINUX SOLARIS WINDOWS etc

MR. B= can u draw a ANALOG and a DIGITAL signal

me= I did one is SINE wave another is PULSE

MR. B=which one is better?

me=DIGITAL signal

MR. B=why?

me=sir its lossless transmission

MR. B=what is lossless transmission

me=when we transmit any data it might be voice signal also...we transmit via analog or digital signal

MR. B=so what do u mean by AMPLITUDE MODULATION and FREQUENCY modulation

me=well when we transmitt any data it might be voice signal also we need a CARRIER rather

putting it in laymans language what we get from the microphones output is much less rather we cannot transmitt using induction coil generating electromagnetic waves

so we need a high source called carrier which is punched with the message signal ....now if the AMPLITUDE of the carrier gets changed with the message signal it called AMPLITUDE MODULATION and if the frequency gets changed its called FREQUECY MODULATION

MR. B=which one do u think is better?

me=it depends on where we are transmitting.....if we need to transmitt a long dist we need amplitude modulation but for crystality and clarity we need FREQUENCY modulation...

MR. B=well do u use MOBILE?

me=yes sir I do...

MR. B=so what the principle out there in MOBILE transmission?

me=MOBILE uses a MICROWAVE transmitting device and receiving device..

MR. B=well explain a bit...u had MOBILE COMMUNICATION right?

Me= no sir not yet I guess its in 7 th semester...well mobile uses a set of protocols like a GENRAL web page has.....so...( he stopped me) MR.B=what is a microproceesor

me=explained

MR. B=what is interrupt?

me=explained

MR. B=what is flipflop?

me=one bit memory device in electronics concept multivibrator

MR. B=good..what is RS/KJ MASTER slave flip flop

me=explained all

MR. B=okay which part of C ur mostly dealing with?(//this is the tric part always say the srtrong area//)

me=ARRAY

MR. B=well what is an ARRAY

me=explined

MR. B=what is the limitation of array

me=explained

MR. B=so how do we overcome it

me=LINK LIST

me=explain the advantages of link list too

MR. B=can u reverse link list

me=explained

MR. B=OKAY...WRITE A PROGRAM IN C WHICH WILL DELETE ITSELF ON EXECUTION..

me==(thinking a bit...although it was the weirdest question I have ever been asked) well there is a SYSTEM function I know over there rather it can ACTIVATE the dos command behind C .  
.more clearly it link the C with DOS COMMAND PROMPT...so what if we write the DOS parameter over there I might delete the file we are executing....

MR. B=...to MR.A anthing else...

MR. A= okay mr Suvabrata nice talking to u ..

me=THANK U SIR....

so this was all bout my experience... remember one thing always be unique in urself like I used REVERSE ENGINEERING etc find other topics

although u need to have a good knowledge in that...

BEST OF LUCK.....

Test Paper :36	
<b>Paper Type</b>	: General - Interview
<b>Test Date</b>	: 17 February 2008
<b>Test Location</b>	: SIT College Of Eng,Siliguri
<b>Posted By</b>	: Olivia Saha

TCS PAPER ON 17th FEBRUARY 2008

hi frends, This is Olivia from Siliguri Institute Of Technology.We had our TCS campussing on the 15 th and 17th of February,2008.The campussing was done in two rounds .The first was the aptitude exam round which was an online examination process.Its instructions were clearly given by the invigilators present there . I request my fellow friends to kindly listen to the instructions n clear out any doubt there itself. The examination was of 90 mins with a stipulated time period for each section.The english was tough but those who have mastered Barron's 12th and 13th edition wont find it very difficult.For Quantitative section practise the prevoius years paper thoroughly, you are likey to get a lot commom from there and for the rest R.S Agarwal is more than enough.

The thing wich is most important there is time management and an efficiency in answering questions.Dont be tensed and be calm.All the best.

Once you have qualified the aptitude you will be called for your interview and before that you will have to fill in a blue form with your personal details.Instructions will be given therein.

On the 17th of February we had to face our interviews. There was only one round where both questions from Technical field as well as HR questions were asked.

My interview went something like this:

Me: gud evening sir.

Interviewer: So u r olivia.

Me : Yes sir. (with a smile)

Interviewer: Tell me somethin about urself.

Me answered.

Interviewer : write a program to reverse a string using pointers in c.

Me: done.

Interviewer: what is a getch() used for?

Me: answered

Interviewer: what r the different ways of cpu scheduling?

Me: answered

Interviewer: u seem to hav been scjp certified at a vry young age,how did u get it? (going through my certificates)

Me: yes sir,(told the process of certification)

Interviewer: wat r ur weak points?

Me :answered

Interviewer: wat r ur strenghts?

Me: answered.

Interviewer wat do u mean by a project?

Me: answered. (gave me a smile 4 my answer)

Interviewer: wat r the qualities of a leader?

Me: answered

Interviewer: wat are the diff betn oop and pop?

Me: answered

Interviewer: Why do u want to get into tcs?

Me: answered.

Interviewer: thank u olivia.

Me: thank u ,sir.

They were very frendly and there is absolutely no reason to be tensed there.One should be confident enough and he or she will surely be qualified.

heres wishin al my frends al da best 4 dere fothcomin campussin and see u soon at tcs.Al Da Best!!!

Test Paper :37	
<b>Paper Type</b>	: General - other
<b>Test Date</b>	: 26 February 2008
<b>Test Location</b>	: Kalyani Government Engineering College
<b>Posted By</b>	: Koushik Karmakar

TCS PAPER ON 26th FEBRUARY 2008

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-----

SYNONYMS===

- (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 quanti 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 common from BARRON'S 12th edition.....

on 25th only aptitude happened 233 appeared & 210 cleared.....

next day interview started from 10.30am .....9 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)wat is POINTER?.....I explained that with example.....
- 2)wat 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)wat 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](http://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

Test Paper :38	
<b>Paper Type</b>	: General - other
<b>Test Date</b>	: 28 February 2008
<b>Test Location</b>	: Narula Institute Of Technology,Kolkata
<b>Posted By</b>	: Priyansh Ranjan

#### **TCS PAPER ON 28th FEBRUARY AT KOLKATA**

Hi! Frnds.....This is Priyansh, E.C.E. from Narula Institute of Tech. Kolkata. We had our first campus drive on February,28th in the form of TCS. This was the first campus for 2009 pass-out batch and post-graduate students. We had to report at 8:30 sharp on the day. As the day had lot of surprise and mystery involved in it...we all wished that each of our friends get the job.

The recruiters arrived by 9'o clock. We had a Pre Placement Talk which lasted for about 2 hours. About 219 students sat for the test and 189 of us could finally crack the aptitude test.

Friends! It was an online exam and the question paper was average if u have groomed ur preparation as per the postings of students in Freshersworld.

There were 3 sections:

A>Verbal <32 questions 20 mins.>

B>Quantitative < 38 questions 40 mins>

C>Comprehension and critical reasoning <12 questions 30 mins.>

THERE WAS NO NEGATIVE MARKING/SECTIONAL CUT\_OFF

**Verbal** portion consisted of 10 synonyms 12 antonyms and 10 questions from RC (small paragraphs) It's better to leave the preparation of synonyms and antonyms as they r always a tuff-nut. Give a wild guess to them.

Regarding **Quantitative** portion, i would say most of them were repeated and some had figures changed, but there were 90% common questions.Go through Fresherworlds site questions.

For the **Comprehension** portion , Barrons 12th edition can be considered as "GEETA".Mug up all the answers of Model Test 1-5,they will be just a repetition in the paper. At places some names r just changed. "U can take my words for it"

Now regarding mah interview....It was a (technical+HR) round...My turn came at 8:30PM

I: Come in .

Me: Good Evning panel members(there were 2 of them)

Me: May i have a seat please?

I: Yes,please!

I: So, Priyansh! where r u from?

Me: Answered..

I: O! dat's a lovely place ,isn't it?

Me: Indeed,it is.

I: Describe urself.

Me: Answered

I: Which portion u r more prepared with..

Me: Comm. and Microprocessor(8085)and C

I: Asked all sorts of applied parts of Analog Electronics(AM,FM,Shannon Hartley,application based 10 questions)

Me: Answered about 60% satisfactorily,say whatever u feel to say..confidently..they watch u every moment..

I: What is ur +ve point?

Me: Answered.

I: Asked some C questions...I answered

(He showed as if i was a duffer and knew nothing..but don't go by dat..that's also a test)

Hr: Describe a situation where u faced a challenge in ur life?

Me: Answered.

Hr: Are u a team player?what about working in isolation ?

Me: Answered in the best possible way.

Hr: U r given a job which u won't be able to do alone but then u hav to do it all by urself;what will be your approach?

Me: Answered

Hr: Are u mobile?

Me: Yes.

ok! thank u ..u may leave..I said thanks! and then left off!

Few days after out results came and 130 emerged victorious...amongst them I was also there.

Wishing All ASPIRANTS all d best! U Hav it in u to be a TCSiian!.....

Test Paper :39	
<b>Paper Type</b>	: General - Interview
<b>Test Date</b>	: 10 February 2008
<b>Test Location</b>	: JECRC, Jaipur.
<b>Posted By</b>	: XYZ

TCS INTERVIEW ON 10th FEBRUARY AT JAIPUR

**Technical Interview** (they've got HR mixed with it)

they asked me, "ok. tell us abt urself. ur strengths and weaknesses. i strtd off tellin abt the basics and then my strengths and weaknesses,

told them.be prepared with ur strengths and weaknesses. and u shud have suficient proof for them too. then one guy strtd lukin at my resume and was abt to ask me abt the competitions bt he got a call on his cell and he went out. bad luck. the other guy asked me basics abt optical fibre .

i told him. then asked me to solve a k-map.

i made a mistake in the beginning and he pointed it out.

i said, "yes sir." with a smile and corrected it.

then while i ws solving it, he asked, "atak gaye kya??"

i said, "no sir. just one min."

finally i solved it and it was right.

then they asked me abt macros and inline fn. in c++.

told them.

then they asked me, "pointers aate hain kya??"

i said, "yes sir."

he asked me, "smat pointer, auto pointer and dangling pointers kya hote hain??"

i said, "i dunno" with a confused smile.

he asked, "kabhi sune bhi nahin??"

i said, "no sir"

then the lights went off.

he said, "kya colg bandh hone ka time ho gaya kya??"  
i said, "kya pata sir??" with a sweet smile.  
then one guy again went out and the other one asked me abt call by value and reference.  
i told him that there are 3 types, "call by value address and reference and they all are different.call  
by reference and address."  
he dint allow me to explain them and said 'ok"  
the other person asked him, "kuch puchna hai kya??"  
he said, "no"  
so i cameout.  
so it lasted just for 10 mins.

then we were called for the **MR interview**. there they asked abt the bond location and medical  
test. u shud not have any problem with any of these.

then was the **HR interview**.

i sat down and he asked, "tell me sumthing that is not written in u CV. what u are as a person"  
i strtd off, "i m a reserved kind of a person. i dont open up my heart to everone bt wen i choose  
my friends, i stay loyal to them forever." .  
my strength is.....  
my weakness is that i cant boss around over 10 people. i can lead them and can encourage them  
to work but i cant boss over them.  
he said, "but we need people who can boss around over people"  
i said, "sir icant boss around over them bt i can lead them. i can work with them and can  
encourage them to work. i cant be rude to them"  
he asked, "y u cant b rude to them??"  
i said, "it's not in my genes."  
then he asked me abt the family background.  
then came upto my hobbies.  
he said, "listening to music. everybody listens to it and it's not a hobby these days,"  
i said, "it soothes me, it relaxes me and that's y i listen to it."  
he asked, " who's ur fav. singer.'  
i said, "sonu nigam in indian and aaron lewis from staind in western music."  
he asked, "staind. never heard of it"  
i said, "sir, it's a rock band"  
he aske,d" so wat music do u generally listen to.  
i said, "generally rock"  
he said, "who's ur fav. band???"  
i said, "staind"  
he said, "staind???? never heard of it.... mostly people go for nirvana, metallica"  
i said, "sir, metallica is too thrash for my ears. and nirvana is like evergreen.  
he asked, "lawn tennis. who's ur fav. player???"  
i said, "roger federer"  
"y"  
i siad, "he's the no. 1 player. great forehand, great backhand"  
"on wat court does he play"  
"on all surfaces."

"but he loses on clay court"

"yes sir. on clay court he loses to Rafael Nadal and that's y he's never won French Open" (this answer showed that i watch tennis. obviously)

then he asked me "y do u want to go into IT, wen ur branch is ECE"

i said, "coz i m interested in programming"

"then y did u chose ECE"

"versatility is the key. i kno ECE. and i kno prog. too. and i've won a few programming competitions too"

he asked, "where did u get to learn the languages??"

i said, "c++ in 11-12. c in 1st yr. c++, java in 2nd yr."

then he asked me abt my competitions and i told him everything.

"y TCS"

told him some crap.

"do u have any relative in IT sector?"

"yes. one cousin in Infy and another in CGI, Bangalore"

"did they advise u to join some company"

i said, "no. how can they ask me to join their company. they just told me to join some nice company"

"i am not convinced with ur answer???? y TCS???"

"no. 12 company. Ratan Tata"

"ratan tata has got nothin to do with TCS"

"yes. bt still..... TCS is TCS"

"y do u want to go 4 no. 12 company. y not top 10"

now they wanted to hear, "by 2010, TCS will be in top 10"

my answer, "every journey begins with a single step.... and somethin crap"

**THIS WAS THE MOST NEGATIVE ANSWER THAT I CUD GIVE.**

still he took it +vely.

"do u want to ask sumthing"

"wen will the results be out?"

"tomorrow"

"ok"

"best of luck. u can leave for the day"

"

thank u sir"

this was it.

they had selected 97 students out of 280 in aptitude. then out of 97, 55 were called for the HR interview. then finally they selected 50 students.

Test Paper :40	
<b>Paper Type</b>	: Whole Testpaper
<b>Test Date</b>	: 22 February 2008

<b>Test Location</b> : CUSAT,Cochin
<b>Posted By</b> : Ajay Menon

## 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:

- 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](http://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...

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)

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.

Test Paper :41	
<b>Paper Type</b>	: General - Interview
<b>Test Date</b>	: 15 February 2008
<b>Test Location</b>	: Netaji Subhash Chandra Engg,Garia
<b>Posted By</b>	: Radky ,SIT,ECE,DARJEELING

TCS PAPER ON 15th FEBRUARY 2008

hi all TCS aspirants!!!! myself Radky 4rm ECE dept,of SIT,darjeeling...sharing my unique experiance 2 all of u....u all r well aware of the fact that TCS coducts ONLINE aptitude xam..it consists of 3 sections i.e 1)verbal 2)quntitative3)critical reasoning. don't need 2 b panic abt aptitude xam..u just need 2 go through d previous years papers nicely. u will find it in freshersworld.com in whole test papers.don't mug up answers as data r changed usually.so its better 2 learn it solving procedure.u will find so many questions which u r unable 2 solve it..so i am giving u a site where u will find their solution [papers.towardsjob.com].it is very useful site .

**for verbal section**>>>wat u have 2 do is just mugged up high frequency words of barron afterthat go for d rest of its word meaning....

**for quantitative section**>>>go through previous years questions,alittle bit RS aggrawal.....

**for critical resoning section**>>> read out all 5 model test papers of barrons 12th or 13th edition which contains minimum 4 questions..if u r n8 understanding just mug up dear....a unique way of mugging up their ans is 2 adopt coding technique i.eA stands for1,B stands for 2 &so on...

its quite easy 2 remember any number than any alphabetical order.....

now ur apti is over....

u will have 2 fill with TCS forms after clearing apti.....

don't lose ur calm & compose if after getting a message u r n8 qualified after completing apti time....as final result will b annouced after manually looking into.....

a more alert, i wanna share with u dat don't click exit buttom which is just below d submit button....i unknowingly clicked d exit buttom after completing verbal & quantitative sections....but its d god's grace dat i was able 2 cracked apti round....it was one of d happiest moments of my life...

## **HR & TECH INTERVIEW HAPPENED TOGHTER**

i was decided 2 inteviw in 25th panel consisting two interviewers next day of apti xam in techno india colg nearly at 5pm.I was last candidate in dat panel.my seniors were very supportive before my interview.

radky: gud evening sir!

interviewer1: plzzzzz b seated.

radky: thank u sir.

interviewer1:okkkkkkk tell me sth dat is n8 written in ur CV..

radky: i told my name,place of my belonging,my strong personal traits, & most distighushed things of myself...

interviewer2: how these traits r useful 2 our campany?

radky: i told him dat these r managerial traits dat a leader shud have 2 lead a team..[he was satisfied ]

interviewer1: u r 4rm dept????

radky: i told readily electronics & communication engg....with full confidence.....

interviewer1:can u tell me wat sorts of technology is used in mobile[taking his cell in his hand]?

radky: i told promptly GSM & CDMA?

interviewer1: GSM & CDMA stands for....

radky: i told in natural way goble system of mobile communication [GSM],code division multiple assess[CDMA].

inteviwier1:wat is GSM & CDMA?

radky: i explain it very clearly.i told GSM based on TDM whereas CDMA based on same frequency range is used by multile subscribers.at dat time i knew dat CDMA is based on spread spectrum technology. but i didn't know it so it didi't utter it in front of it as there will b cross questioning.they asked abt TDM.i explained it very cofidently.

interviewer1: which one is more useful?

radky: i told CDMA.as it conserves spectrum which is limited one rgarding increse in population.

interviwer: then why GSM popular?

radky:as it is provision of changing of SIM,it gives less prone 2 cross connection....etc

interviewer1:but TATA indicom has this faciliy 2 change the SIM.

radky: i don't know sir.i am the user of SMART gsm.....

interviewer2:can u draw anolog ciruit?

radky: with confident.yes sir.

interviewer2:draw the A/D converter...

radky: acutally i didn't know,i read in previous sem..i was trying 2 draw, i completed nearly,but meanwhile he asked "r u cofident",i told dat yes sir with firm cofidence.but i am unable 2 draw d

exact its figure...

interviewer2: asked abt my familybackground...

radky:i told him.actaully he was willing 2 know my position in family,i am youngest in my family.

interviewer1:thank u..

adky:i too told thank u.....

acutally my interview went out nearly 20 minutes...i was n8 satsfied with my interview as the 2nd interviewer was n8 supportive,his body language was demorlising me.but i manged myself with CONFIDENCE. be POSITIVE in ur attitude.rest left with GOD.i am great FAN of god.HE decides ur LUCK on the basis of performance.SUCCESS is determined by LUCK[1%]  
+PREFORMANCE[99%]...

GUDLUCK ON THE BASIS OF PERFORMANCE 2 ALL tcs aspitants!!!!!!!!!!1

well wisher

radky, SIT,DARJEELING.

experience certainty

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.

BEST OF LUCK TO ALL OF YOU .....

Test Paper :48	
<b>Paper Type</b>	: General - other
<b>Test Date</b>	: 16 February 2008
<b>Test Location</b>	: Netaji Subhash Engg Colg,Kolkata
<b>Posted By</b>	: Abhishek Ghosh

TCS PAPER ON 16th FEBRUARY AT KOLKATA

Hello frnds this is ABHISHEK from NSEC in CSE... i have got selected in tcs and want to share my experience with you,  
there are there phases:

**1 written**

**2 technical**

**3 interview**

**1.Written:**

A) **Vocabs and comprehension**(36 ques in 20 mins)

this is a tough sectn....synonyms and antonyms come from barron's 12th edtn.....if u hav less time jst go thru the previous papers...i wwent thru them and got nearly 250 synonyms....

antonyms-see barrons exercise with 5 chapters

B) **The quantitative section**(38 questions in 40mins) from previous years papers....i practiced bout 10 papers from freshersworld....and got 80% common.....they just change the data...pattern i same...so no problem in quants..

My suggestion is go thru this section as early as possible....

C) **Critical reasoning**-this is one of the easiest sectn.....just mug up diff problems from barrons model papers...there r 5 papers...each having 5-6 C.R.....see them...and u will get most ques common..

I HAV NOT GIVEN ANY PAPERS AS PLENTY R GIVEN HERE...IF IN CASE U WANT SOME MORE...U CAN MAIL ME..

**TECHNICAL & HR:**

Learn atleast one subject thoroughly...if u r from CS,IT .....C is a must...for CS students...they really check ur DBMS skills..... i had a 1hr 10min long interview.... some of the ques were...

1.in which lab was C discovered?(Bell's lab)

2.who were the founders of C?

3.a program to concatenate ur 1st name and last name.....if u get stuck writting...dont stop there....xplain the interviewer the logic....

4.why is C called procedural lang?

[give an eg. to explain]

**DBMS:**

1.wats database,data dictionary,types of lang-DDL,DML,DCL

2.A SQL query to find the location of ur place..

3.primary key...wats the use...

4.candidate key...concepts.

these were sum of the ques....

**HR:**

this was very easy for me as I had been conversing wid them for 1 hr regarding technical.. they ask simple ques.. tell me sumthing bout urself,r u mobile?

ALL i wana say is dont act smart in front of them...u may nt know sum answers....dont give a wrong ans...always maintain a humble,polite look on ur face....

if any of u guys need any further help bout anything mail me at:shekk4u@yahoo.co.in

see u guys in TCS....BEST OF LUCK

Test Paper :49	
<b>Paper Type</b>	: Whole Testpaper
<b>Test Date</b>	: 25 February 2008
<b>Test Location</b>	: Madan Mohan Malviya Eng. College, Gorakhpur(U.P.)
<b>Posted By</b>	: Ravindra Kumar

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

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.

**2.apptitude section** (maths ability,series fill up etc type of questions.....):

for this just go through the previous years tcs aptitude test papers.it vll bmore 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 120and 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 nuymer.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/milisecon to fill bucket. The bucket takes 100 or 1000 milisecon to reach to destination. It takes 100 milisecon 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 forth, forth 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 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, 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 RBEKGI 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 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.  $(\text{Momentum} \times \text{Velocity}) / (\text{Acceleration} \times \text{distance})$ . 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 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 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 answred.

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 comforatable wid that or not. I answered I m comforatable.

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.

Test Paper :50	
<b>Paper Type</b>	: Whole Testpaper
<b>Test Date</b>	: 25 February 2008
<b>Test Location</b>	: RCCIIT
<b>Posted By</b>	: Deb Shankar Jha

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  $M = \text{square root of } 100N$ . 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.  $(\text{Momentum} \times \text{Velocity}) / (\text{force} \times \text{distance})$  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

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 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)

### CRITICAL REASONING

This section consisted of 3 questions wit sub parts. It was for 25 mins. All the questions were from 12 edition barrons . They don even change the data and the order of questions. Its just cut copy paste from BARRONS 12 EDITION. Since it was online test for us so everyone had 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 tat ned allen larry willy and rick lives in the first floor
3. third I don 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.....

1. INTRODUCE YOURSELF.
2. DESCRIBE OOPS CONCEPT OF C++.
3. A CODE WAS SHOWN TO ME AND ASKED ME TO SYA THE OUTPUT.
4. WHAT IS OBJECT.
5. WHAT ARE THE ADVANTAGES OF C++ OVER C.
6. WHAT IS FUNCTION OVERLOADING.
7. CONTROL OR LOOPING STRUCTURE OF C.
8. WHAT IS LINK LIST AND DESCRIBE WITH SUITABLE EXAMPLE.
9. HOW CAN YOU PROTECT INHERITANCE IN C++.

**HR** QUESTIONS.....

O BE PREPARE WITH ALL THE QUESTIONS WHICH IS GIVEN BELOW.....

INTRODUCE YOURSELF

WHAT DO U KNOW ABT 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 WEAKNESSESS WITH EXPLANATION.

HOW YOU CAN OVERCOME YOUR WEAKNESSES.

THERE WILL BE SOME QUESTIONS ON YOUR HOOPY.

DO YOU HAVE ANY QUESTIONS TO ASK THE INTERVIEWER.

FOR THE LAST QUESTION DON'T SPELLBOUND.SHOW YOUR INTEREST ABOUT THE COMPANY.

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,

DEB SHANKAR JHA.

<b>Paper Type</b>	: Candidate Experiences
<b>Test Date</b>	: 14 February 2008
<b>Test Location</b>	: Netaji Subhash Engg. College, Kolkata
<b>Posted By</b>	: Pinaki Pani

## TCS PAPER ON 14th FEBRUARY AT KOLKATA

Hi friends, I m Pinaki Pani from NSEC, kolkata.....After 19th feb I m a part of TCS.....Now I share my xperience with u Our apti was on 14th feb.....It consists 3 parts

### 1. Verbal : [32 qusns, 20 mins]

It consists of 10 synonyms, 10 antonyms, 1 passage & 1 paragraph completion.....Synonyms & antonyms are tough, only 5 were common from previous papers.....for antonyms u may prepare urself from barrons(12th edition) model test paper.....[in verbal section after Qn no. 28]

### 2. Quants : [38 qusns, 40 mins]

This is the easiest part.....this part is totally copied from previous papers.....u got some samples in any other page.....solve 3 or 4 papers, u find that maximum r same.....same things happen in apti also.....just the values are changed.....in this section time is a factor.....

### 3. Critical Reasoning : [12 qusns, 30 mins]

Here 3 passages r given.....each followed by 4 qusns.....just solve(or mug up) barrons (12th edition) model test papers.....the qusns no. r given in another page.....19 passages are there.....I got 2 common.....

I m selected 4 the **interview**.....it was on 16th feb.....in my case the panel[consists 1 mam & 1 sir] was very friendly....the interview was tech+hr interview.....it was hardly 20 mins long....they asks some technical qns from flip-flop, logic gates.....then ask a c program(prime no.)....some fundamentals of c.....after that some common hr qusns like ur first day in college..... why tcs.....why should i hire u .....why r u migrate from ece to it.....

but all of my frnds r not so lucky.....they asked from any subject u read in prev. years....even they asked from hs like charles law, boils law, pressure law.....so if possible prepare this small answers.....there r some stress interview also.....here u r asked from the subjects u never read [one of my friend(ece) asked from rdbms].....be cool on that case.....dont b tensed

on 19th we got the result.....my name is in the selected candidates.....

primarily u will b a little bit nervous.....there is nothing to worry.....dont b excited while interview.....dont bluff, plz....

what i realized is that luck is a big factor.....if u r lucky everything goes in favour.....so pray to god that atleast for that day u r lucky.....



<b>Test Paper :52</b>	
<b>Paper Type</b>	: General - other
<b>Test Date</b>	: 14 February 2008
<b>Test Location</b>	: Kamla Nehru Instt. of Tech, Sultanpur,U.P.
<b>Posted By</b>	: Sudeep Dwivedi

TCS PAPER ON 14th FEBRUARY AT U. P.

Hi Friends It's Sudeep Dwivedi of MCA.Here i would like to share my experience of Written-techy-hr interview held in my institute on 13-14 Feb'08.

The written test consists of three sections-

**1.VERBAL**(10synonyms, 10antonyms,10sentence completion)

Prepare GRE Barrons completely.

**2.APTITUDE**(40quizzes from work,age,binary,distance,speed etc.)

Solve old papers very well and follow Powerpreparation.

**3.CRITICAL REASONING**(12quizzes)

Perplexing puzzles but keep patience u can succeed.I got 3 passages first was related with no.s and variables, second with red-brown-family relationships and last with data about sale&distribution. My written was held on Feb'13 and techy-hr took place on Feb'14-valentine day.

**Technical Interview** about 3pm on feb'14

Panel was made up of two persons both were MCA.They asked:

- 1.Operating System
- 2.Computer Networks
- 3.Database Management
- 4.C
- 5.C++

They did not asked any quiz from my area of interest DataStructure.They were also willing to ask about Software Engineering and Java that i have not read.

**H.R. Interview** about 7pm on Feb'14

- 1.Tell me about yourself (it was asked in my techy also.)
- 2.Have u no gap
- 3.Why u passed XII(bio) after XII(math)
- 4.And in the last they told me to prepare to locate and about 50,000/- bond of 2yr duration.

My Techy was good but i was not confirmed.When i got hr call and after appearing I became confirm about my selection.But i have to wait till 11:30pm in cold night to listen my name in the final list.The time was very boring and joyful because i got succeed.

I wish BEST OF LUCK to all aspiring to appear.

Test Paper :53	
<b>Paper Type</b>	: Whole Testpaper
<b>Test Date</b>	: 8 February 2008
<b>Test Location</b>	: MMEC, Maullana.
<b>Posted By</b>	: Venus

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... First 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:**

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..

N finally, I`ve been dying to write this.. SEE U IN TCS!!

Test Paper :54	
<b>Paper Type</b>	: Whole Testpaper
<b>Test Date</b>	: 15 February 2008
<b>Test Location</b>	: Netaji Subhash Engg. College,kolkata
<b>Posted By</b>	: Sandeep Das

TCS PAPER ON 15th FEBRUARY AT KOLKATA

A big "Hi" to one & all... This is Sandeep Das, pursuing B-Tech in Comp. Sc. & Engg. from Bengal Institute of Technology, Kolkata.... Our campus drive was scheduled to be held on 15th Feb, 2008... Let me share my part of experience with all & hope this would help all the aspiring candidates, who are eagerly waiting to bag a job at TCS.... One should be aware of the fact that cracking TCS campus interview is not a cake-walk.... Dedication, devotion & a little bit of luck is what matters the most.... It took me mere 20 days of hard-work to prepare.... just spare out 20 days... and u r through....

### **TCS APTITUDE PATTERN:-**

It was an online test of duration 90 min..... and comprises of 3 subdivisions:-

#### **1) Verbal:-**

- a) 10 antonyms, 10 synonyms
  - b) Reading Comprehensions (3 passages)
- ..... to be solved in 20 minutes....

Remedy:-

Prepare them from Barron's 12th Edition... I repeat.... strictly the 12th Edition... there are 750 high frequency odd words.... seems quite cumbersome, but there is no other alternative, but to mug up.... try to memorize at least 100 words a day.....

#### **2) Quantitative:-**

- a) 32 questions in 40 minutes

Remedy:-

This section comprises of 32 questions... to be solved in 40 min.... This is considered to be the easiest of all, owing to the fact that same questions are repeated and that too without changing the data (sometimes...).... It is recommended that u all go through only the previous years question papers of TCS... and the sample papers of TCS from [freshersworld.com](http://freshersworld.com) and [chetanasforum.com](http://chetanasforum.com)..... In addition to that.... if possible..... try to practice just the simple questions related to Venn Diagram, Bar Graph and Sets from R.S. Agarwal.....

#### **3) Critical Reasonings:-**

- a) 3 reasoning based questions..... each consisting of 4 questions.... to be solved in 30 minutes...

Remedy:-

Prepare this section strictly from only the Model Test Paper of Barron's 12th Edition..... u may leave the reasonings containing less than 4 questions.... believe me.... they don't even change the sequence of the questions.... If u have dearth of time and can't understand them.... better mug them up.....

#### **NOTE**

There might be an upper cut-off for the Aptitude Test.... Its better to consult with the instructor before proceeding towards the Aptitude round.... The results were announced for the Aptitude Round.... A blue form was given to us... and was instructed to fill up the form properly..... The interview session was scheduled after two days i.e. on 18th Feb, 2008 at Techno India, Salt Lake.....

## **TECHNICAL + HR ROUND:-**

In our case, both Technical & HR were conducted together.... We reached around 8:00 am..... we were asked to wait in a classroom.... Finally.... I was called for the interview at 11:25 am.... The panel consists of 2 members.... It went like this.....

ME: May I come in ?

INTER: Did I say No ? Obviously... u may come.

ME: Good Morning Ma'am, Good Morning Sir....

INTER: What's so good about this morning son ? Its the same as it is used to be.....

ME: bla bla bla..... (I explained the reason behind the "Good Morning")

INTER: (... Laughed....) .... aren't u tensed ? u have been waiting for quite a while now..... dont u feel tiresome ?

ME: No Ma'am.... I'm not... bla bla bla..... (Reason explained)

INTER: Programs on String Reversal....

ME : Explained...

INTER: Programs on String Concatenation....

ME: Explained....

INTER: Merge Sort, Heap creation and deletion....

ME: Explained..... but couldn't solve the deletion part.....

INTER: Features of B-Tree? Pointers.... Array of Pointers & Pointer to an array..... Far pointers, Near pointers....

ME: Explained....

INTER: some basic preliminary questions on DBMS & OS.... Paging, Foreign Key, Traditional file system & Database management system....

ME: Explained....

INTER: Are you aware of TCS criterias? If selected.... would u undergo a medical test?

ME: Yes Sir.... with pleasure....

INTER: Are you willing to relocate?

ME: Yes Sir.... bla bla bla.....

INTER: What is Polymorphism?

ME: Explained.... but couldn't give a real-world example.....

INTER: Is this the way.... u have been groomed for the Interview.... (Laughed at me... heavily....)

ME: Depends on Individual Perceptions..... (stood calm and composed.... didn't react to the situation violently....)

INTER: Some very simple problems based on Mathematics, Puzzles & Projectiles were given.... Some real-time situations to test ur presence of mind....

ME: Explained.....

INTER: Oh ya watever..... son.... To prosper in the IT industry and in an esteemed organization like ours.... u should have thorough knowledge of other subjects as well..... Try to improve on d weak areas... and emulate them into your strong points.....

ME: Sir..... I've dreamt of joining your esteemed Organizations.... If i'm given a single chance..... I'd definitely prove my worth and serve for the betterment of the organization...

INTER: Ok Sandeep..... our panel would analyse it and u will be apprised of the results by tomorrow.... Have a Good Day....

ME: It has been a pleasure talking to both of u..... (Shake Hands with them.... n came out...)

Finally.....the results were announced on the next day.....and by the grace of God.....I got selected in Asia's Largest Organization.....Tears of Happiness welled from my eyes.....one thing is for sure.....the ultimate key to success is sheer confidence.....and an attitude for excellence.....believe in yourself and in God.....Do not hesitate to prove your point.....even if u r wrong in proving it.....Always make an eye-contact with the interviewer.....and believe me.....it would turn out to be a cake-walk for u.....It has been a nice long lecture...isn't it?....this is Sandeep Das(Sandy)...signing off....

Meet u at TCS.....

Test Paper :55	
<b>Paper Type</b>	: General - Interview
<b>Test Date</b>	: 2 February 2008
<b>Test Location</b>	: MSIT college,New Delhi
<b>Posted By</b>	: Atul Maheshwari

#### 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)**

It's an online test consisting of 3 sections

#### **1st section : Verbal**

10 synonms,10 antonyms,n paragraphs

i would suggest don't prepare for dis section as it's really hard to remember synonms 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 attented 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 Techincal 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 expalined(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.....  
See you in TCS....

Test Paper :56	
<b>Paper Type</b>	: General - Interview
<b>Test Date</b>	: 22 February 2008
<b>Test Location</b>	: Cochin University Of Science And Technology,Kochi
<b>Posted By</b>	: Vishal Nigam

TCS PAPER ON 22nd FEBRUARY AT CUSAT

Hi! Friends!!!! I am VISHAL NIGAM of CUCEK (CUSAT) .TCS came to our campus recruitment as the first company in the year 2008.we were informed that our 1st round of campus,i.e the aptitude test will be held at CUSAT on 22nd of February & we were told that the students who will be selected will be having their technical/hr/pi at our campus itself.

Now I will be giving u the test pattern of the exam held by TCS:

**1st Round:Aptitude Test Pattern:** online.

**1st section :-verbal section** (20 minutes)

**2nd section:-quantitative aptitude** (40 minutes,38 questions( these may vary for others))

**3rd section:-logical reasoning** (30 minutes,12 questions (as usual)

for the quants ,i would like to suggest u ,pls go thru the previous papers of tcs.they r just repeatin the same ,i mean, they can change the data but the concept behind the question will be the same.

for verbal section,i would say to go thru gre high frequency words list.they can be helpful to some extent.

for the LR section I would suggest u ,pls go thru the BARRON's GRE 12th edition,it really helps. here,i m listi out some of the sections which u must go thru

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

After the test the results were announced & fortunately out of the list my name was there in the list, then we were asked to fill up a form (the HR form). After that we were told to come to CUSAT campus on 23rd for the technical/hr interview at 11.30 am sharp. My name was called at 6.30 pm. I entered the room & found two other HR's in the same room itself, I got nervous, but somehow I managed the situation. They were very polite, they asked me to come in & take my seat, and my interview finally started.

Int1: "tell me something about yourself"

Me: told (but my dear friends, never try to pose the general intro in front of them like I am this....., the best way is to use some tag lines and then with respect to that start your intro, it will be the best)

Int2: "what is your favourite subject???"

Me: microprocessor. (also asked me about which microprocessor -8085 or 8086?)

Int1: "how many bits are operated by 8085 micro.?"

Me: answered;

Int 2: "what is interrupt?? difference between maskable and non-maskable interrupts."

Me: said. Int 3: "what do you mean by software interrupts?"

Me: answered.

Int 4: "what is MVI instruction?"

Me: answered

Int 5: "so you know microprocessor very well, what are the programming languages do you know???"

Me: C, C++ (basic concepts)

Int 6: "which is your fav. C program???"

Me: "sir, programs based on the concept of recursion fascinate me a lot."

Int 7: "Tell me something about recursion?"

Me: told.

Int 8: "what is the difference between C and C++?"

Me: answered.

Int 9: "define a class based on a pen?"

Me: told

And then my hr round started with the same panel, I was not expecting this.

Int 1: "why did you choose TCS?"

me: answered the question confidently and hr was impressed. (be well-prepared for this question, please go through TCS site, survey reports, their latest products, etc.)

Int 2: "where do you like to see yourself after 3-5 years?"

Me: I said I want to be an efficient project manager and explained the qualities of the post. (be ready for this, because they may ask you the qualities?) He was quite impressed by my answer.

Int 3: "are you mobile?"

Me: told.

Int 4: "are you ready to work on planet Mars?"

Me: answered it in a comic style.

Int 5: "no questions?"

Me: asked him to explain "experience certainty?"

after that he asked me to leave and wished me all the best for the results..

The final list of the candidates who were shortlisted was out on notice board on 24th feb ,& I was one of them. So guys keep ur cool and have self-belief & confidence in urself & leave the rest part to god” ,he will definitely help u all!!!!

All the best!!!!!! Hope to meet u at TCS.

Test Paper :57	
<b>Paper Type</b>	: Candidate Experiences
<b>Test Date</b>	: 21 February 2008
<b>Test Location</b>	: Mallabhum Institute of Technology
<b>Posted By</b>	: Swarup SenGupta

TCS PAPER ON 21st FEBRUARY 2008

The test was online. There were 3 sections:

**i)English**

**ii)Aptitude & D.I.**

**iii)Critical Reasoning**

### **ENGLISH PART**

First there were 10 synonyms and then 10 antonyms. The words were relatively easier than previous year's papers coz i could do about 14 of the 20 questions without any practice. A vocab of 500-700 words from GRE Barrons and the sample papers from TCS are enough to take you through. There were words like omniscience , disassuage and a few more which had seldom previously come.

Then there was the paragraph completion section. There is no need to read the whole paragraph. Just look at the questions and then read the neighbouring two lines of the line which has been asked to fill up. There were 2 paragraphs with 5 questions from each one of them.

There was 1 min. allotted for each of the 30 questions. The time limit is more than enough in the english section.

### **APTITUDE & D.I.**

Practice of previous years papers are enough. More than 75% questions were common. Data may or may not be changed. There were a few new questions. A graph was given and one had to find out the equation of it. In my case it was  $y=\cos(x)$ . There were 32 questions in aptitude section with 1min. for each question.

In the D.I. section there were 3 questions from a Venn Diagram and 3 more from a pie chart. There was 1 min. for each of the 6 questions.

It is child's play for anyone in this section given u have practiced previous years papers. The only thing to keep in mind is the time management issue.

### **CRITICAL REASONING**

There were 3 paragraphs with 4 questions from each one of them. Total time was 20 mins.

If one can practice the 25 analytical reasoning paragraphs from GRE Barrons then he/she is bound to find common questions with even the order not being changed. If that is hard for someone, then practice the previous years TCS papers only and then also u will find some common passages. As the test was online and everyone didn't get the same passages I am giving a list of a few passages that came:

1. Passage on Democrats
2. Passage on Hospital workers
3. Passage on spelunkar and caves
4. Passage on Ashland and Liverpool
5. Passage on Shortest route between bridge, tunnel and toll free road
6. Passage on Hotel Miramar-East Wing and West Wing
7. Passage on Rectangular Table with george, helga, frank, carol, etc. Basically positional problem

If u practice the above 7 passages u r bound to get atleast 2 passages common in the test out of the 3 passages.

There were a total of 80 questions in the test with a time limit of about 98 mins.

There is no sectional cut-off neither any upper cut-off, so answer as many as u can.

**BEST OF LUCK**

<b>Test Paper :58</b>	
<b>Paper Type</b>	: General - Interview
<b>Test Date</b>	: 16 February 2008
<b>Test Location</b>	: Techno India, Salt Lake kolkata
<b>Posted By</b>	: Soumya Dutta

**TCS PAPER ON 16th FEBRUARY AT KOLKATA**

Hello guys..I am Soumya Dutta...frm Netaji Subhash Engg Colg..3rd yr ECE....I am going to share my experience with all of u....hope it will help u... APTI was on 14th Feb[V day]..it was normal...online test...

**VERBAL:** I hv studied GRE Baron high freq words..but only 3 was common..others were tough...so guessed...the para was a bit tough too...

**QUANTITATIVE:** this part was really easy....solve previous papers frm Freshersworld..really helped me a lot...enough for quanti...

CR+LR: all the questions frm GRE Baron's 12th edition model test papers...so prepare the CRs frm there..

I would say that don't bother too much with the vocab part as that is dependent on ur luck..so keep focused on the quanti and reasoning part...remember one thing scoring good marks in APTI almost makes ur job secure and certain..very much vital point.

**INTERVIEW:**[16th FEB] All the questions were dynamic for 45 mins...they can ask u anything....i mean anything..so be prepared for that..be calm cool and confident[not over confident]..they will select u.

Entered the room there were 15 panels..mine was no. 8. three person ..laughing..

me: Good afternoon sir with a smile.

interviewer: Hv a sit ...so Soumya introduce urself..

me: and

interviewer: Hv ur certificates with u?show me..

me: gave them my file

(i mentioned hobby watching Hollywood movie and extracurricular activity playing cricket)

interviewer: so what was the last movie u watched?

me: A beautiful mind

interviewer: So u play cricket?? batsman or bowler??

me:yes sir..batsman..with a smile

interviewer: Hv u ever hit a six??

me: yes sir a lots of...(they smiled)

interviewer:show me ur wrist...

me:I showed them.. :)

interviewer: How will u hit a cover drive?

me:showed them with my hands moving

interviewer:ok Soumya..draw a cricket pitch and show me the positions I am telling u..

me: showed all...

interviewer: HS physics problem from of equilibrium in inclined plane...(deduce  $\tan \theta = \mu$  =coefficient of friction)

me: solved the problem

interviewer:they asked me a puzzel frm sakuntala devi's book of puzzel..

me: it was common for me so told them the ans but my explanation was not totally right....

interviewer: So u r frm Electrical engg???

me:No sir I am frm ECE..

interviewer: Ok..hv u heard of master slave ff??draw it..

me:within a flash..

interviewer:what language do u know?

me: C sir

interviewer: no other language??then why should i hire u??

me:explained them ..

interviewer:why C not Fortran?  
me:fumbled a bit and said Fortran is a bit backdated i think...  
interviewer:they pounced on me..what Fortran is backdated???  
me: i quickly recovered and somehow managed and told that i dont know much bout Fortran.....  
interviewer: Again a lot of questions frm HS physics Light...reflection..refraction..draw the figs..concept of these..how mirages formed in desert draw and explain...  
me:ansd all with confidence (they were impressed)  
interviewer:why tcs..tell something bout TCS..  
me:ansd and also fumbled a bit..  
interviewer:suddenly they asked what is ram?what is rom?what is the diff betwn them?  
me:ansd all with explanation..  
interviewer: ok Soumya U can go now..  
me:thank u sir..with a smile...

Generally the interviewer asked all the subjects that we haven't mentioned in the CV..so be careful..I mentioned C and Microprocessor...no question frm there.and some others were asked out of track questions..so dont worry be confident..dont remain silent...always try to ans with a smile...success will be at ur hand..BEST OF LUCK TO ALL OF U...

19th Feb. in our collage the result was announced around 2 pm..out of 273 students who cleared APTI 157 selected..i was one of them...really i was verry happy...

Test Paper :59	
<b>Paper Type</b>	: Whole Testpaper
<b>Test Date</b>	: 19 February 2008
<b>Test Location</b>	: JUIT Wagnaghat
<b>Posted By</b>	: Vijay Sharma

TCS PAPER ON 19th FEBRUARY 2008

Hello, Friends I am Vijay Sharma pursuing my B.Tech. in Computer Science Engineering form Jaypee University of Information Technology (JUIT) Wagnaghat Distt. Solan H.P. Tata Consultancy Services (TCS) team of around 40 people visited our campus on 18-19 Feb for campus placement. It was a combined placement for our university and Jaypee Institute of Information Technology (JIIT) University Noida U.P.

On the behalf of my university students I would like to thank the freshersworld team for their work as well as all those people who contributed the papers because those were very helpful for the preparation for TCS.

I would like to share my experience with other people who are preparing for the TCS as think that that will be helpful for the entire upcoming visitor who want to prepare for TCS. The recruitment procedure for TCS consist the following four rounds:

1. Online Test
2. Technical Interview
3. H.R. Interview
4. M.R. Interview

### **1. ONLINE TEST :**

Online test was conducted for JUIT students and for some branches of IIIT students on 18 Th Feb. and for remaining branches of IIIT on 19 Th Feb. The test started around 10 A.M. without any pre-placement session. You will be given Login Id and password. Firstly there was a sample test and instruction for the test. They will also give instructions orally so listen carefully everything. The TCS people will be all time there during the test so for any clarification ask them for a help. Remember that:

- There is no negative marking.
- No higher cut-off.
- There was no section cut-off.(but I think that there was a minimum cut-off for individual section because some students were not able to clear the test because they were unable to score in a particular section).

- Don't click on the EXIT Button; otherwise your test will be finished at that point.
- You can jump to any question within a particular section, but you can not jump sections.

On R.H.S. there is a display of Q.No. The answered questions appears in Green color, unanswered but visited questions in some other color(red or orange ,I don't remember exactly) and unvisited questions in other color(red or orange).

- A clock on the top corner of the right hand side displays the reaming time so please keep track of the time.

There were 3 Sections in the test: ---

#### **A.VEBAL SECTION (32 QUESIONS 20 MINUTES):**

10 antonyms, 10 synonyms, 1 Reading comparison heaving 6 question and one passage for fill in the blank with 6 questions. Most of the antonyms and synonyms were form Barron's GRE (you can refer any edition for this section). Only prepare exercises given in the back of word list.

There are 50 word lists in the book but you need not to mug all of them only 20 will also work. Start preparing a lot ahead of for this because it will take a lot of time because most of the words are hard to remember. It will take hardly 6-8 minutes to complete antonyms and synonyms because there are only two possibilities, either you know the answer or not. In the remaining time you can attempt RC & fill in the blanks. RC passage on Share Market and Investment, I have seen it somewhere but I don't remember where exactly (most probably in barrons's). The passage for fill- in the blanks I don't remembered. But key point in fill-in the blank question is that there were not 5 options to fill the blanks. Instead it options were only 6 choices written and we have to fill each options by selecting it from a drop down menu. So please take care of this.

#### **B. QUANTITATIVE APTITUDE ( 38 QUES, 40 MINUTES):**

The most easy and scoring section. You need not to do anything. No need to buy R. S. Awarwal

or something else. Just practice 5-10 sample papers form Freshersworld that will be more than enough. I am giving some of the question with explanation that were in my examination:-----

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 YLP .....ans =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 heaving 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 modules 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 d 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.



11. If FHQWVDO is written as CENTRAL, what is TXLFN?

ANS. The first letter of the word has been changed 3 letter backward in alphabetic order so we change T to Q. As there were no other options starting with Q we need not to find each alphabet. So the answer is the word in the options starting with Q

12. 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	
Sol): $Y = \log_{10}(X)$	

4.72

13. Find the unit of given expression -  $(\text{Force} \times \text{Distance}) / (\text{Velocity} \times \text{Velocity})$ ?

Sol):  $(M \times a \times L) / (L T^{-1} \times L T^{-1}) = (M \times L T^{-2} \times L) / (L^2 T^{-2}) = \text{Mass}$

14. 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.

15. 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  $(80/100 \times 70/100 \times 90/100) \times 100 = 50.4$

So, economy =  $100 - 50.4 = 49.6$

16. Find the Odd one out? JAVA b. LISP c. Small talk d. Eiffel

Ans. All other except LISP are object oriented programming languages.

17.	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

18. Find the value of 232 in the base 5

Sol. Divide 232 by 5 until the number is reduced to zero and select the remainder from bottom to up

ans = 1412

19. 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

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

Ans. 72 (values are not exactly same)

21. 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(2,3) ?

Sol. Remember that we have been asked to write to find address of last element not of first element.  $3000+8*4+3*4+3$  (for last element) = 3047

22. 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.

Ans. Every 1 deg longitude is equal to 4 minutes. If west to east add time else subtract time) and measure the longitude from GMT do the difference between the longitude is 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.

23 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

ans = a & c

24. Find the singular matrix from a given set of matrices?

a)  $\begin{bmatrix} 2 & 3 \\ 4 & 5 \end{bmatrix}$  b)  $\begin{bmatrix} 4 & 16 \\ 5 & 1 \end{bmatrix}$  c)  $\begin{bmatrix} 0 & 5 \\ 1 & 4 \end{bmatrix}$  d)  $\begin{bmatrix} 9 & 8 \\ 1 & 5 \end{bmatrix}$

Sol): b (Hint:  $\det(A) = 0$  i.e.  $((a_{11}+a_{22})-(a_{12}+a_{21}))$ )

25. What is the equation of the given line?

ans:  $x - y = 0$

26. If  $n=10*18*38$  which of the following is not

an integer?

a.  $n/40$  b.  $n/90$  c.  $n/72$  d.  $n/35$

Sol.  $(10*18*38)/35$  is not an integer so ans = d ( $n/35$ )

27.28.29. A Venn diagram was given and 3 questions were asked on it. Just understand the problem carefully and solve it (only addition, subtraction and multiplication and division required)

The question was based on that this number of people know c , this number of people java and this number of people know .net

30.31.32. A bar graph was given and question was asked on it. It was something about club membership (just addition, multiplication etc.) Other questions were also simple but I don't exactly remember those. Just do some more previous papers those will be helpful to you.

### **C. CRITICAL REASONING (12 QUESTIONS, 30 MINUTES) :**

Don't think that it is enough time to solve this section. Actually this section is from the model test papers of Barron's 12 th edition. It consists of 3 paragraphs containing 4 questions each. If you have practiced a lot then you will be able to do this section within 5 minutes, otherwise the case may be that you will not be able to answer even a single question from it, because some questions are very tricky and you can do them if you are doing them first time. So please prepare the questions from 5 test papers and only solve those paragraphs which contain 4 or more questions. Don't let this work pending till last day. Don't need to mug up all the answers just know the method. Only some questions need to be mugged up. There is no important passage as we had paragraphs from all test papers. So don't take chance in this section. I think that in this section the weightage was higher than other sections. In my paper they asked the question on Prithu and Brithu marriages from test paper 5(they changed some name, but don't worry if you know how to attempt then you will be able to solve it and those who have mugged up it also don't worry because the starting alphabet of the name of the characters was same, so still you can attempt it. Second paragraph was on Scurvy problem and it was also from test paper 5. Third passage was about selecting two professors from large university and one from small college.

They declared the result of first 80 students around 12am. And we were told that interview will start in 10 minutes. Due to our Test-1 exams we were out of touch with other technical subjects and were thinking that we will revise Technical part in the rest of the day. But nothing could be done now. So we were ready for interviews. Out of total around 250 students around 180 students cleared the written test.

We were given a form and asked to fill and submit it. I was called for interview around 5 pm.

### **TECHNICAL INTERVIEW:**

This was first time I was giving interview. So I was a little nervous before entering in the interview room. My throat was totally dry and I was thinking that I will not be able to answer their questions. But I had to face the interview and I was asked to go to panel no 1. There were two people there. I took their permissions to enter in the cabin and wished good evening to them. They asked me to sit down.

Sir: Take out your CV , give it to us and tell me something about yourself.

Me: I started: Sir, I am a person who is quite adaptive to any environment.....they started laughing. Yaar tu to ajeeb banda hai ....agar tujhe pani main rakhain to rah lega....I also gave them a smile ....at that time they had finished scanning my CV and started putting questions from my CV.

Sir: O.K. you have done a project on university student registration system in C and you have also done a project on time-table creation using UML.

ME: I thanked God for diverting my interview to Software Engineering because this was my favorite subject in entire 5 semesters. I started explaining .....they interrupted me after some time and asked about different types of software testing...I started from white box and black box and explained many testing techniques.....

Sir: what is system testing?

Me: explained.

Sir: what is regression testing?

Me: explained.

Sir: What is use-case?

Me: I explained, but the definition was not up to the mark....then they asked two definitions from use case which I didn't know. Sorry I am not able to recollect what they had asked....

Sir: yaar you have done UML and you even don't know this..Then they drew those terms in UML diagram and asked now to explain.....

ME: I took my time to understand, but I was not able to do so..so I simply said that I'm not getting it.

Sir: Tell something about SDLC?

Me: I gave the expression that I was hearing this term first time.

Sir: Don't you know SDLC. Do you know Software Development Life Cycle and tell us on which factors Software life cycle depends?

Me: I exactly didn't know so I asked that can I do some kite flying.

Sir: yes, yes you can.....

Me: Sir I think that SDLC depends on the process model..

Sir: They started laughing again.....yaar hum to 10 saal se TCS main hain(they both were around 26 years of age so their fact was impossible) hamain to ye baat pata hi nahi thi.....tujhe kisne bayayi.....

Me: I replied with a smile....

Sir: Asked about DDL and DML and give example.

Me: explained....and answered that both DDL and DML are integrated part of SQL

Sir: No...no I want example in terms of query...

Me:Explained..

Sir: Tell Different types of Data Structures and give example..

ME: Explained

Sir: Tell different types of linked list..

Me: Explained..but they were trying to confuse me.....

Sir: When we use pointers and when array?

Me: explained..

Sir: What are constructors and what will happen if we don't define constructor?

Me: Explained....Compiler will automatically initialize ....

Sir: What is virtual table?

ME: I think that they were asking view from DBMS. So I asked them Sir, are you asking from DBMS?

Sir: nahi nahi C++ se pooch rahe hain.....

Me: I politely said that I don't know virtual table in C++

Sir: Do you have any questions?

Me: I want to be run away from those people...so I said no questions sir.and they said that I can leave now.....

So friends that was my first interview in life and it was a stress interview. After 40 minutes I was again called for the H.R. Interview.

### **H.R. INTERVIEW:**

I asked the permission to enter in the cabin and wish good evening. The panel consisted only one person who was around 40 years of age. The person stood up shake hand with me and asks me to take the seat.

Sir: Who was your test in the morning?

Sir: Rate yourself on the basis of previous interview?

Me: I said that my interview was average.....he asked why?.....i explained.....

Sir: Tell me about your Weaknesses?

Me: Told some what he was asking more weaknesses so I said that my coding skills are not very good.....

Sir: Don't you think that you need some improvement in your communication skills...

Me: I answered that I am putting my efforts to improve

Sir: what are you doing?

Me: Explained.....

Sir: and what will you do to improve your programming skills?

Me: Explained and added that I will also try to hone my skills during the training period .....

Sir: But you will not able to do more because training will be of 4-6 weeks so work hard right now.....Do you have any questions?

Me: I asked that how much time it will take me to reach the position of an analyst?

Sir: It depends on your performance.....and explained more.....

### **M.R. INTERVIEW:**

After 20 minutes I was again called for another round. This time in the panel there was a young lady in suite. She asked me to come in and take the seat. Then someone called her, she asked for my permission and said that she will be back in one minute. She came and said sorry for keep me waiting. I said no problem mam. Then coffee came for her and she offered coffee to me...but I politely said no...

Mam: Tell me something about yourself?

Me: Explained.....

Mam: What r your weaknesses and what are you doing to improve those?

Me: Explained

Mam: Were U there in presentation in morning?

Me: We were heaving test at that time so I missed some part of it..

Mam: Do you know you have to give medical test in which we test color blindness and so on...

Me: I said that I'm aware of this..

Mam: So your hobbies are travelling and bike riding...do you have bike here in college and which places in india u have visited?

Me: Explained.....

Man: Are U ready to sign two years bond?

Me: Mam, for TATA's I am ready to sign 10 years bond.....

Mam: That's great.....do you have any questions?

Me: I said no mam.....she said that I know that u haven't taken anything since morning. So go and take your dinner. The results will be declared tomorrow.

Next day there was test and interviews for IIITU Noida. They declared the results for both of the universities around 7pm. 78 students were selected from JUIT and 82 from IIITU. My name was there in the list. I again want to thank all frehersworld team and all those people who had contributed their papers because those were very helpful in the prepration..

For any queries and help you can contact: --- sharma.vijay85@gmail.com

Some important points to remember:

1. Have faith in God and in yourself.
2. Don't bluff the interviewers.
3. Start preparing ahead because success is a planned event.
4. Maintain eye contact during the interview.
5. If after doing hard work somehow u are not able to get through, don't lose heart. there are ample of opportunities. The life doesn't end here.....say to yourself that I have not lost anything the company has lost an asset in the form of you.

ALL THE BEST AND HOPE THAT WE WILL MEET IN TCS

Test Paper :60	
<b>Paper Type</b>	: Candidate Experiences
<b>Test Date</b>	: 14 February 2008
<b>Test Location</b>	: TICT,Rajarhat
<b>Posted By</b>	: Shubhojit Bhattacharya

TCS PAPER ON 14th FEBRUARY AT RAJARHAT

Hi! Friends!!!! I am SHUBHOJIT BHATTACHARYA of TECHNO INDIA(SALT LAKE),TCS came to recruit as the first company in the year 2008.we were informed that our 1st round of campus,i.e the aptitude test will be held at TECHNO INDIA(RAJARHAT) on 14th of February& we were told that the students who will be selected will be having their technical/hr/pi at our college itself.

Now I will be giving u the test pattern of the exam held by TCS:

**1st Round:Aptitude Test Pattern:** online.

**1st section :-verbal section(20 minutes,)**

**2nd section:-quantitative aptitude(40 minutes,38 questions(may vary for others))**

**3rd section:-logical reasoning(30 minutes,12 questions)**

for the **verval section** I would suggest u to go thru the BARRON's GRE preparation material, it really helps, for the second part just be thorough with the last year papers as the pattern almost remains the same, only the data are changed, and try to work out the methods with which the sums are solved, and for the last section go thru R.S. AGGARWAL (verbal & non verbal), it will be more than enough. since the test was conducted online, so even though the paper was on the easier side, yet few people found it hard to crack because of very limited time, so along with ur preparation just look to manage TIME as well, it's very important!!!!

After the test the results were announced & fortunately out of the list my name was there in the list, then we were asked to fill up a form (the HR form). After that we were told to come to TECHNO INDIA, SALT LAKE on 17th for the technical/hr/pi interview at 8.30 a.m sharp, after reaching the college we found that the names were being called on a random basis, so the day which we always dreamt of, started, after the entire day's hectic schedule & nervousness, at last my name was called at 3.30 pm. I entered the room & found two other panels in the same room itself, I got tremendously nervous, in my panel there were two people sitting on the other side of the bench, but they were very polite, they asked me to come in & take my seat, and my interview finally started.

Int1: "tell me something about yourself"

Me: told (but guys please avoid the general intro like I am this....., the best way is to use some tag lines and then with respect to that start ur intro, it will be the best, but come prepared, this question does matter a lot)

Int2: "what is ur favourite subject???"

Me: microprocessor.

Int1: "what is the last & 2nd instruction executed in the interrupt service routine?"

Me: said last :- return;

2nd last: EI (enable interrupt) (in most cases but may vary according to the way the service routine is written by the programmer)

Int 2: "what is interrupt?? difference between maskable and non-maskable interrupts."

Me: said.

Int1: "so u know microprocessor very well, what are the programming languages do u know???"

Me: C, C++ (basic concepts)

Int2: "which portion of C do u find most difficult to understand?"

Me: "sir the concept of pointer is bit difficult to grasp in at first"

And then something started which I was not expecting at all, I was asked question on pointers only. they gave me at least 5-6 programs whose o/p was to be determined, I solved all the problems but they told u should have given answers within 30 secs at most, then I started feeling that I will be eliminated, anyways then they followed me up with two puzzle problems, which fortunately I was able to solve but again the same response from them as mentioned earlier, then they asked me that why I want to join TCS???? then they again gave me to write a program to swap two numbers without using third variable using two logics, the first one was simple as almost all of us know ( $x = (x+y)$ ,  $y = (x-y)$ ,  $x = (x-y)$ ), but I got stuck with the second logic, anyways I told them we can use other operators like (\*, / etc), he was impressed with the approach of mine towards the problem

Then they asked me whether I had any questions to be asked or not, I asked their respective names and asked about the ongoing and future projects of TCS & also how can I being a student of electronics can establish myself in the field of IT industry, then I shook hands with them.

The final list of the candidates who were shortlisted was out on the net on 19th, & I was one of them. So guys keep ur cool and have belief & confidence in urself & leave the rest part to the hands of the "ALMIGHTY", he will definitely help u all!!!!

All the best!!!! Hope to meet u at TCS.

Test Paper :61	
<b>Paper Type</b>	: Whole Testpaper
<b>Test Date</b>	: 19 February 2008
<b>Test Location</b>	: University Institute Of Technology,Burdwan
<b>Posted By</b>	: Tulika Dutta

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  $M = \text{square root of } 100N$ . 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.  $(\text{Momentum} \times \text{Velocity}) / (\text{force} \times \text{distance})$  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

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)  $i=-j$  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 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....

2.2military persons,1speaker,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 dinning 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

Bye,  
Tulika Dutta

Test Paper :62	
<b>Paper Type</b>	: Whole Testpaper
<b>Test Date</b>	: 13 February 2008
<b>Test Location</b>	: MAIT, Rohini(Delhi)
<b>Posted By</b>	: Sushant Sapra

## 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 :

- 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

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### APTITUDE TEST PAPER ON 13TH FEB 2008

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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

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### Verbal

\*\*\*\*\*

10 Synonyms and 10 Antonyms and other Reading Comprehension based questions..  
Everything was form GRE Barrons 12<sup>th</sup> 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')

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### Quants

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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 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

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  $9^\circ\text{N}40^\circ\text{E}$  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 bothie,  $40+40=80$

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

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) U 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 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 ques tion base 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 modules 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.

**Sushant Sapra (CSE, 3rd yr, Mait,Rohini(Delhi))**

**GOOD LUCK.. rOcK On**

<b>Test Paper :63</b>
<b>Paper Type : Whole Testpaper</b>



<b>Test Date</b>	: 7 February 2008
<b>Test Location</b>	: MMEC Mullana
<b>Posted By</b>	: Kartik Bhandari

## 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 similar 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, there's 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 don't 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 panels with two people in every panel. They were very nice and comforting. Anyone 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 pannel 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 culdnt 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 challange 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"

Kartik Bhandari

Test Paper :64	
<b>Paper Type</b>	: General - other
<b>Test Date</b>	: 9 February 2008
<b>Test Location</b>	: Kolkata
<b>Posted By</b>	: Admin

TCS PAPER ON 9th FEBRUARY 2008 (One of the Premier Colleges in Kolkata )

hello frnds, The recent tcs selection process consists of 2 procedures:-

**1>online aptitude test**

**2>technical+hra**

now to discuss about both:-

**1>online apti:---** this part consisted of 3 sections...verbal(25 q/s,20 mins),quantative(38 q/s,40 mins) and critical reasoning(12 q/s,30 mins).....u hav to start wid the verbal section first.....its compulsory.....and aftr every time limit....the current section automatixcally vanishes and the next section comes in.....so keep and i on the time...there is no upper/sessional cut off...and the total cut off is around 50-60%....

for the verbal part,i would suggest evrybody to leave it on luck.....i had jst 1 antonym common.....and i gt the time 2 finish jst 1 passage out of 2....for all the rest q/s i marked "c".....later i found out that 5 were correct....luck as u may say it:) for the quantitive rasoning...i wud suuggest..practise and practise sums like...time and work,ratio,percentage,etc.....first try to attmpt q/s that u knw and can answer....i did 28 put of 38 and the rest i marked "c"like before .... for the critical reasoning i wud again suggest you to practise.....read the sum carefully and create blocks/graph to represnt the sum....answer the q/s seeing the block /graph....i think i got 10 q/s correct..... out of 180.....146 cleared the apti(leaving out the 4 from the automobile dept...they usually dnt take aue/me)

**2>hra+technical:-----**the q/s were simple and basic TECHNICAL:-

for cse& it

os:---basic command from linux, defn of (os,kernel,critical section,semaphore,paging,deadlock,cpu scheduling etc)

java:---defn and example(oop,encapsulation,abstsraction,inheritance,polymorphism,overloading and overriding)

c&c++:--explanation of(array,pointer,function,structure,union,linked list,stact,queue,tree,double linked list,circular queue(wid,etc)

rdbms:-simple queries(select,update,create,drop,where,etc)

programs:-max in an array,factorial,fibonacci,string reverse,creation,deletion and traversal of linked list)

for ece:-

they ased q/s from microprocessor,dld,etc

HRA:-

q/s were like:---intoduce yourself,why tcs,why shud i hire you,hobbies,etc

i think for all....maintain eye contact wid them throughout the interview,keep ur confidence intact,be simple and honest,and try to be fluent in english...dats alll they r seeing

out of 146...90 got selected .....

Test Paper :65	
<b>Paper Type</b>	: Whole Testpaper
<b>Test Date</b>	: 27 January 2008
<b>Test Location</b>	: Jss Academy Of Technical Education,Noida
<b>Posted By</b>	: Akhilesh Porwal

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

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

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 the answer he actually has to get ?

ans:  $\frac{1}{3}$

5. A stationary engine has enough fuel to move 12 hours when its tank is  $\frac{4}{5}$  full, how much hours will it run when the tank is  $\frac{1}{3}$  full

ans: 5 hours

6. 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

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. 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

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 complete a job, in how many days can 25 men finish that work?

Ans. 12 days

12. If Rs.1260 is divided 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 120 and 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  $\frac{1}{4}$  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

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)  $\frac{1}{2}$  gallon (b)  $\frac{2}{3}$  gallon (c)  $\frac{3}{4}$  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)  $\frac{1}{3}$  (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/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.

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)  $1/13 \times 1/17$

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 forth, forth 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.  $(\text{Momentum} * \text{Velocity}) / (\text{Acceleration} * \text{distance})$ . 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..-
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.shopfloorstaff----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 delicats 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 electracion)
- 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.

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.

BEST OF LUCK FOR YOUR PLACEMENT.

Test Paper :66	
<b>Paper Type</b>	: Candidate Experiences
<b>Test Date</b>	: 17 January 2008
<b>Test Location</b>	: BUIT BHOPAL
<b>Posted By</b>	: Pankaj Rathore

TCS PAPER ON 17th JANUARY BHOPAL

hi frnds this is pankaj from BUIT i have got selected in tcs and want to share my experience with you, there are there phase

- 1 written**
- 2 technical**
- 3 interview**

for **technical** just there are again three section

**1 is verbal** in which you have synoname and antonames and there is a small passages which are simple in this section they are the one from gre so preare for it

**2 section aptitute** for this section solve all previous papers this will be syfficent for this section partern is always same and some times you may get same question from previous papers if u clear this section a physcometric test will be opened here the ask as to exit it once this section is opened , this means you have cleared the return

## **2 TECHNICAL**

be prepare for this section the as you the every thing that you have mention in your cv so be prepared for it and be careful for whatu have written in the cv

## **3 INTERVIEW**

SIR TELL ME SOMETHING ABOUT YOURSELF

ME SIR I am pankaj .....

SIR ASK ME ABOUT MY HOBIES  
I SAID THAT

then the asked me about my natvie place and some more simple questions but oly thing that u have to keep in mind is be confident and best of luck

PANKAJ

Test Paper :67	
Paper Type	: Whole Testpaper
Test Date	: 23 January 2008
Test Location	: SVITS Indore
Posted By	: Chhabi Neema

TCS PAPER ON 23rd JANUARY 2008

THERE WERE 3 SECTIONS.....

**1.Verbal**((Synonym 10,Antonym 10, Reading Comprehension)

Antonym -(5 Exercies 4m BARRONS 12TH EDITION)

Synonym -(Prepare all World list tests U Can leave Mix Test of Synonym & Antonym )

**2. Quanta**-All Qs were 4m prvious 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){subtraction 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 better 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 attempt 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 subjs..... 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 interview fool. if u don't know d ans then better 2 apologise.

4) They were with d syllabus of recent sem. so prepare atleast basic definitions 4m d subjs of recent sem..... I was asked some qs 4m each subj of recent sem.

5) If u r 4m electronics, Instrumentation or electrical..... better 2 prepare u r branch subjs. As I m 4m instrumentation they asked me about Instrumentation & Measurement (although I didn't mention it in my cv).

6) Do prepare practical applications of ur subjs. I was asked d name of practical instruments..... n how they used in industries..... practical Transducers (Pneumatic valve, diff valves like air 2 open air 2 close, RTD, thermistor, AC & DC machines.....etc).

After clearing d technical. i was called 4 HR.....

**HR :** In HR they asked me about family background..... hobbies. how I utilize my hobbies..... why tcs .etc.....

- 1) Some qs r common in HR.(like introduction.....whre u c ur self afr 5 yr.why TCS.....leadrship quality according 2 u n many more.....)but never mugup d ans of such qs.....only see d pattrn 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 is .....2.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 compters .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 Best .....see u at TCS.....

This is Chhabi Neema from SVITS( Indore ) placed in TCS

Test Paper :68	
<b>Paper Type</b>	: Whole Testpaper
<b>Test Date</b>	: 16 January 2008
<b>Test Location</b>	: Technocrats Institute Of Technology,Bhopal(M.P)
<b>Posted By</b>	: PRIYAL MANDIL

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 15<sup>th</sup> Jan 2008 and thanks 2 God dat I was declared as a part of their group on 18<sup>th</sup> 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):

- Online Test
- Technical Interview
- HR Interview

### **ONLINE TEST:**

The test was conducted on 16<sup>th</sup> Jan 2008, after d preplacement talk which was held on 15<sup>th</sup> Jan 2008, given by deir delegates. U wil be given a user's id & password. Login using dat & yr test wil starts. **Time wil be displayed on d screen & please read & listen 2 deir instruction properly. (For any help cal dem as dey wil be available in yr respective rooms throughout d test)** Remember dat deir is:

- **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" dat appears on d screen**

**The test consists of three sections given below:**

**A. VERBAL SECTION (38 Ques, 20 Minutes):** Every ques is of 1 mark. Deir wil be 10 antonyms, 10 synonyms, 1 RC having 6 ques and a small passage wid 6 blanks. Sorry friends I can't remember d antonyms & synonyms properly as I was able 2 attempt correctly only 7or 8 in al. I wil advice u 2 please prepare both 4m GRE Barron (12<sup>th</sup> Edition) as it is unpredictable 2 say wat wil come in paper. If u wil be through wid both d antonyms & synonyms den u wil get ample time 2 read d passage. In any case u ar not getting den plz don't waste time, answer accordingly & switch 2 next ques.

**B. QUANTITATIVE APTITUDE ( 32 QUES, 40 MINUTES):** Dis is d most scoring section in al d three as most of d questions ar 4m previous papers. Just go through al d old paper questions 4m freshersworld web properly & understand d method of solving as dey may sometimes change d numerical value. Dat wil be more than enough, U even need not 2 solve RS Aggrawal. If u ar not getting den "mug up d answer of dose" as some types of ques ar alwz repeated. Some of d 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

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. ( $= 24\text{hr} * 80 / 360$ ). 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)  $\begin{bmatrix} 9 & 8 \\ 4 & 5 \end{bmatrix}$

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

Sol): 0.5%

18. In d 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 d value of x

Sol): 6

20. Convert the decimal number 310 to d base 6?

Sol): 1234

21. Find d Odd one out? ( I m giving u al as dere was 2 to 3 ques on dat)

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 -  $(\text{momentum} \times \text{velocity}) / (\text{Acceleration} \times \text{distance})$ ?

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, dat all d passages are always given 4m d 5 model test papers dat are published in GRE Barron 12<sup>th</sup> edition. So I recommend u to plz solve dem all so dat it will be easy 4r u 2 attempt as dey may sometimes change d name or place in d questions. If u are unable 2 solve them den plz mug up d answers of d questions having 4 or more parts. Leave d remaining. Three passages which I got were:

1. Large & small university problem given in d 1<sup>st</sup> model test paper.
2. Electrician & plumber type ques (2nd model test paper). Dey changed d names of d person, so alwz be careful.
3. Arrangement of players on one side of table (5<sup>th</sup> model test paper)

In all dere were around 330 student who appeared 4r d test 4m m college & when results was declaredIn 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 18<sup>th</sup> Jan 2008 at 9 am in d morning as our interview was scheduled on dat date.

### **TECHNICAL INTERVIEW:**

On 18<sup>th</sup> 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 1<sup>st</sup> & 2<sup>nd</sup> 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 came out & found that my 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):

- 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.
- Be confident on yr answers.
- Always say sorry when u ar not getting something.
- 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.
- Keep yr body posture straight while u are seating on d chair.
- Always give yr answer 2 d point. Don't try to make long stories.

### **HR INTERVIEW:**

When I came down to give HR, I cam 2 know dat deir is no other form (Except d employment form dat u ar given after written test). Dat mam asked m abt d form so I told m mistake, she told dat it's ok.... Suddenly I was called 4r HR. I was waiting outside d room 4r m chance but d interviewer asked 4r some other girl called neha.....

Hence I was asked 2 wait & finally I was called around 3:10 pm 4r HR.

I entered d room .dere were two panels of interviewer- mam & sir. I wished both & was asked 2 take m seat.

Sir: so Priyal, tell me abt family background?

Me: I told.

Mam: give some light on yr academics.

Me: I answered, right 4m schooling till B.E.

Sir: ar u having any brother or sister?

Me: I told.

Sir: Why ar u switching to IT?

Me: I told due to wide opportunities & global scenario.

Sir: den why u didn't u opt 4r dat?

Me: honestly speaking, I answered 2 him every aspect of m studies right 4m 10<sup>th</sup> class.

Sir: den he asked m abt m seminar, what did u learnt 4m dat.

Me: I told & gave some gud point regarding d company growth.

Mam: didn't u recognize d speaker?

Me: yes mam I recognized. (Actually d sir who took m interview was only d speaker at dat 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 usssss here & foreverrrrrr."

PRIYAL.



<b>Paper Type</b>	: General - Interview
<b>Test Date</b>	: 31 January 2008
<b>Test Location</b>	: Dr.B.C.Roy Engg College,Durgapur
<b>Posted By</b>	: Soumitra Bhattacharyya

## TCS PAPER ON 31st JANUARY 2008

Hello everybody, I am Soumitra Bhattacharyya from Dr B.C.Roy Engg College,Durgapur.We faced TCS selection process on 31st jan and 1st feb .its was the first campasing on TCS in W.B.I am going to describe a brief discussion about it.

### **APTITUDE:**

- a)**VERVAL:synonyms,antonyms,passage ,verval reasoning .**
- b) **Quantitive aptitude**
- c) **Critical Resoning.**

There are many sets of Questions in exam.take a very good preparation from previous questions.No need to tell about Quantitive part.I found some common in syno,anto, but i cant understand passage completely. two critical resoning are common to me.one is 6 floor building prob another New wells,,...,another was president,army chif problem. PLZ,PLZ just mugg up difficult problem, THERE WERE NO SECTIONAL CUT OFF IN OUR COLLEGE. but sure about it by ask them.....

### **TECHNICAL+HR:**

well they were sssoo friendly

Inter: tell about yourself.

Me: ans given

Inter: be cool i am not going to eat you.

me: Laugh

Inter: you did a project on image processing through C tell about it

me: ..... i mention 'unique' terms.

Inter: why it unique?

me: ans given.

Inter: one physics question asked.....

me: explain

Inter: diff bet hash sort and bubble sort

me: ans

Inter: diff beteen bubble and merge sort

me;ans

inter: what is pointer.

me:ans

Inter: diff bet array and struct

me:ans

inetr: did you anything except study.

me;ans

Inter: swapping prog with two process

me : ans.

inter :thank you mr Soumitra .

well take a well preparation on basic on c,c++,D.S,O.S.D.B.M.S, be confident and cool.....and crack it.

meet you in TCS

Test Paper :71	
<b>Paper Type</b>	: Whole Testpaper
<b>Test Date</b>	: 24 January 2008
<b>Test Location</b>	: IPS ACADEMY ,INDORE
<b>Posted By</b>	: Bhupesh Gupta

TCS on 24th Jan at IPS Academy Indore

I am BHUPESH GUPTA from MCA.. TCS visit our college on 24<sup>th</sup> 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** 10ANTONYMS, 10SYNONYMS , and around 12 fill in the blanks were there.

Most of the antonyms and synonyms were from GRE BARRON'S 12 th edition high frequency word list. But those 12 blanks were not from GRE BARRON'S so it was difficult to answer them.

Here r 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 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 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  $\rightarrow$  0 1 1 1 1 0 1 0

C  $\rightarrow$  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 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

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)

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 abut 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.....

ALL THE BEST

SEE U IN TCS.....

BHUPESH GUPTA

Test Paper :72	
<b>Paper Type</b>	: Whole Testpaper
<b>Test Date</b>	: 16 January 2008
<b>Test Location</b>	: TIT, BHOPAL (M.P)
<b>Posted By</b>	: Priyal Mandil

TCS PAPER ON 16th JANUARY AT BHOPAL

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 diii & 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**

### **ONLINE TEST:**

The test was conducted on 16th Jan 2008, after d preplacement talk which was held on 15th Jan 2008, given by deir delegates. U wil be given a user's id & password. Login using dat & yr test wil starts. Time wil be displayed on d screen & please read & listen 2 deir instruction properly. (For any help cal dem as dey wil be available in yr respective rooms throughout d test) Remember dat deir is:

- 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" dat appears on d screen

The test consists of three sections given below:

**A. VERBAL SECTION** (38 Ques, 20 Minutes): Every ques is of 1 mark. Deir wil be 10 antonyms, 10 synonyms, 1 RC having 6 ques and a small passage wid 6 blanks. Sorry friends I can't remember d antonyms & synonyms properly as I was able 2 attempt correctly only 7or 8 in al. I wil advice u 2 please prepare both 4m GRE Barron (12th Edition) as it is unpredictable 2 say wat wil come in paper. If u wil be through wid both d antonyms & synonyms den u wil get ample time 2 read d passage. In any case u ar not getting den plz don't waste time, answer accordingly & switch 2 next ques.

**B. QUANTITATIVE APTITUDE** ( 32 QUES, 40 MINUTES): Dis is d most scoring section in al d three as most of d questions ar 4m previous papers. Just go through al d old paper questions 4m freshersworld web properly & understand d method of solving as dey may sometimes change d numerical value. Dat wil be more than enough, U even need not 2 solve RSAggrawal. If u ar not getting den "mug up d answer of dose" as some types of ques ar alwz repeated. Some of d 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 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

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) 2 3 b) 3 9 c) 0 5 d) 9 8

- 4 5      1 3      1 5      4 5
- 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 = square root of  $100N$ . If the size of the program is increased by 1% then how much memory now occupied?
- Sol): 0.5%
18. In d 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 d value of x
- Sol): 6
20. Convert the decimal number 310 to d base 6?
- Sol): 1234
21. Find d Odd one out? ( I m giving u al as dere was 2 to 3 ques on dat)
- LINUX
  - WINDOWS 98
  - SOLARIS
  - SMTP
  - JAVA
  - LISP
  - Small talk
  - Eiffel
  - HTTP
  - ARP
  - SMTP
  - SAP
  - Linux
  - windows NT
  - SQL server
  - UNIX
  - SAP
  - ARP
  - WAP
  - TCP IP
  - Oracle
  - Linux
  - Ingress
  - DB2
  - SMTP
  - WAP
  - SAP
  - ARP
  - WAP
  - HTTP
  - BAAN
  - ARP
  - SQL
  - DB2
  - SYBASE
  - HTTP
22. Which of the following are orthogonal pairs?
- $5i+3j=7$
  - $i-2j=3$
  - $2i-j=3$
  - $3i=5j+6$
- 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?
- 2068
  - 2048
  - 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 -  $(\text{momentum} * \text{velocity}) / (\text{Acceleration} * \text{distance})$ ?
- Sol): Mass
27. Which is not a side of triangle?
- (2,3,6)
  - (3,2,4)
  - (3,4,5)
  - (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):  $(n/1000) * (n/10) * 10 + (n/100) \dots$  as i have calculated...~~! Not sure

31. 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

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 there only. No need to practice

36.37.38. Last problem was based on Venn diagram. Figure was given & on that basis 3 questions were there.

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.

$\rightarrow$  How many know English more than French?

$\rightarrow$  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, dat all d passages are always given 4m d 5 model test papers dat are published in GRE Barron 12th edition. So I recommend u to plz solve dem all so dat it will be easy 4r u 2 attempt as dey may sometimes change d name or place in d questions. If u are unable 2 solve them den plz mug up d answers of d questions having 4 or more parts. Leave d remaining. Three passages which I got were:

1. Large & small university problem given in d 1st model test paper.
2. Electrician & plumber type ques (2nd model test paper). Dey changed d names of d person, so alwz 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 , 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 cam down to give HR, I cam 2 know dat deir is no other form (Except d employment form dat u ar given after written test). Dat mam asked m abt d form so I told m mistake, she told dat it's ok.... Suddenly I was called 4r HR. I was waiting outside d room 4r m chance but d interviewer asked 4r some other girl called neha.....

Hence I was asked 2 wait & finally I was called around 3:10 pm 4r HR.

I entered d room .dere were two panels of interviewer- mam & sir. I wished both & was asked 2 take m seat.

Sir: so Priyal, tell me abt family background?

Me: I told.

Mam: give some light on yr academics.

Me: I answered, right 4m schooling till B.E.

Sir: ar u having any brother or sister?

Me: I told.

Sir: Why ar u switching to IT?

Me: I told due to wide opportunities & global scenario.

Sir: den why u didn't u opt 4r dat?

Me: honestly speaking, I answered 2 him every aspect of m studies right 4m 10th class.

Sir: den he asked m abt m seminar, what did u learnt 4m dat.

Me: I told & gave some gud point regarding d company growth.

Mam: didn't u recognize d speaker?

Me: yes mam I recognized. (Actually d sir who took m interview was only d speaker at dat 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 recipe?  
 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 usssss here & foreverrrrrr."

PRIYAL.

Test Paper :73	
<b>Paper Type</b>	: Whole Testpaper
<b>Test Date</b>	: 12 January 2008
<b>Test Location</b>	: SGGSIET,Nanded (MH)
<b>Posted By</b>	: P. Ganesh

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 provoding 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 carefully,the points like..When company was established,by  
whom,where.How many fortune clients r there,no of branches,no of countries in which the  
branches r spread,how employees get chance to go up step-by-step,other products of  
TCS,services provided by company.Here itself u can b prapared for much info about the  
TCS.Make out notes because after some times u 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 ur PC because page gets refreshed frequently,so unnecessarily the voice may  
disturb u.When instructor will say to click on TCS..internet sign then click,u il get user id &  
password from them.To go at password field u need to press tab key from ur keyboard.After  
logging there will b 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 b familiar with the software.After this main test will start.Remeber only  
one question is displayed on the screen

Every question has to be submitted individually.After choosing the appropriate option  
immediatly submit the option with the help of SUBMIT button.If u think that u il first click all  
the questions & then submit at the same time .....THE SILLY MISTAKE.....because when u  
go to the next question without submitting it then option to

which u hav clicked gets disappears. So Submit it immediately.It may happen that just before  
submitting page gets refeshed & the option clicked disappears,then don't worry again click &  
submit. U can change the option at any time in the respective session. After submitting next  
question automatically comes on the screen.

If u 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 u dint know  
answer click any option because it may be the case that u dont get time later on,& there is no loss  
in doing that because later on u can chane the answer option.)))



Time will not be carried forward, i.e. if u finish any section before time then that time u il not get as extra time for next session.

The test started.....The test was of 90 minutes( 1 & half hour ) Marks 80 - 90 (I dont 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 quetions 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 antonymms & 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 elements), 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 n t 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.  $\text{m/s}^2$ , 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.

1° change == 4mins

Here 20° + 40° = 60°

So 60° \* 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 = 4:00pm

Going from east to west so subtract 4hrs from 4:00pm...

4:00pm - 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 (because 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 be 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 becuz 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 horizontal .....pg 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 certain ....Red ...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 of .....pg 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 psgrs 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 to .....pg no 443 model test 1
- 20>joy , lerry .....floor..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 Interview**

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.  
 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, creaye 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, becz these rough worh 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. ((Actally I was prepared for his first song,debute 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 buiseness,banking as TCS provides services to

them.

MR : What TCS does?

I : provides services to Banking , buiseness 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.



<b>Test Paper :74</b>	
<b>Paper Type</b>	: Whole Testpaper
<b>Test Date</b>	: 16 January 2008
<b>Test Location</b>	: UIT - RGPV, BHOPAL
<b>Posted By</b>	: Dheeraj Assudhani

## 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.

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.

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  $\det(A)=0$ )

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  $4 \frac{1}{2}$  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

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 diagram 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.

<!--[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

By,

DHEERAJ ASSUDANI (UIT – RGPV)

Test Paper :80	
<b>Paper Type</b>	: Candidate Experiences
<b>Test Date</b>	: 24 January 2008
<b>Test Location</b>	: IPS Academy Indore M.P
<b>Posted By</b>	: Priyanka Kadam

TCS PAPER ON 24th JANUARY 2008

Hello friends,i am priyanka kadam,i have got selected in TCS.I have prepared for TCS through papers only thats why i am very much excited to share my interview with all u people who really wants to go in TCS.I have my written test on 24th january 2008.In written there were 250 students and only 154 students were selected and friends there were no sectional cutoff as such but upper and lower cutoff are all previously decided,they never tell about that

There were 3 sections

**1)verbal**

**2)Apptitude**

**3)Critical reasoning**

In **verbal section** there were 10 antonyms and 10 synonyms,all r from barrens 750 wordlist,plz friends do 750 wordlist its important,some of the words i know are

1)frugality

2)paegan

3)pious

4)pique

5)pagan

6)dangling

7)stuborn

8)fledgling

9)placate

10)repugnance

11)raucous

And some more were there,all are from 750 wordlist.

In **Aptitude**,the time limit was of 40 minutes,in this section all the questions are from previous year papers,just the digits were changed,nothing else,dont scare from this section,it is so easy section,u can collect more marks in this section,just do previous year papers by practising into the sheet.I am not giving the questions b'coz all questions are almost same,just practise previous year papers.

In **Critical reasoning** we have given one paragraph in which it consists of 6 blanks and 10 choices were there,so we have to fill that by reading that,then there were passage into it and it was also from barrens book then that one problem of joe,larry,mary,paul,willy,crystal,albert.....(from barrens 12th edition page no.446 question no. 12-18),friends one more only 12 th edition is helpful for Tcs ,other editions are useless,just go through 12 th edition,b'coz they totally copy the barrens so u shud also have good mugging ability.Then one more problem of A causes B,B causes C and D.....it is also from barrens book.Just go through the method to solve this b'coz sometimes they change the number of alphabets.

After seletion in **written test**,they have given one day gap for technicle interview,we were called at 9 A.M,but there were around 154 students,so my turn came at night 8:30PM,plz guys be confident during interview session,i have asked lots of questions almost from every subject which i have mention in my Resume,so be prepare for all the subjects,it is not necessary that u shud give all the answers but whatever u give just be confident,dont try to correct the panel member,they are so cool people and dont try to be so close of members b'coz do such type of activities to understand our actual nature and one more thing friends,it is not necessary that during Technical round they wont ask ur hobbies and all,they can ask u everything which u have mention in ur resume,so may be if u r lucky,they can only ask ur another activites but prepare for technical.My interview was around of 45 minutes and they asked me bunch of question.

After completion of **Technical** there were **HR** round,in HR there were one lady who is so friendly and so calm,u need not to worry about that,just be confident and u will surely crake, it was so simple to give the answers of HR,in my HR she has asked me regarding my strenghts which i have mention that positive attitude,then she has asked me to describe ur family background,one more thing guys, just visit the complete TCS site,they will surely ask u regarding latest achievements of the IT firm and all.As i dint able to give the answer of latest achievement in TCS,but its ok they only check ur confidence level nothing else,so be confident.After completion of HR they have told us to wait and then at 10:30pm at night they have declared the result in which it consist of 75 students who got selected.And i was one of them.

BEST OF LUCK FRIENDS AND DO BELEIVE IN GOD,U WILL SURELY GET THE "TCS".

<b>Paper Type</b>	: Whole Testpaper
<b>Test Date</b>	: 27 January 2008
<b>Test Location</b>	: JSS Academy Of Technical Education NOIDA
<b>Posted By</b>	: Vishal

TCS PAPER ON 27th JANUARY 2008.

Hi I am Vishal persuing my engineering ( 3rd yr) CSE from JSS ACADEMY OF TECHNICAL EDUCATION NOIDA (U.P.) TCS conducted a campus recruitment drive in our college campus on 27 th of January 2008... About 510 students appeared for the online written test , about 190 students ables to clear the written test and finally 78 students make it to TCS.

There were 3 rounds:-

- 1) **Written test**
- 2) **Technical Round**
- 3) **HR round**

1)Written Test:- It consists 3 sections

1. **Vocabulary:- Antonyms and Synonyms and a passage with 10 options**
2. **Quantative Aptitude**
3. **Critical Reasoning**

The duration of this round is 90 minutes

### **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 the online test u need 2 give ur user id.then they will give u a password. Login using that password and ur online test starts. The time will be displayed on the screen. The question no's are also displayed on the top right corner of the screen.U can click on any question no and switch over 2 any qstn within that section only.The question no's u attempted will become green n the questions that u haven't attempted will remain orange so that u can keep a track of how many u have attempted and how many u haven't. Only 1 question will be displayed on the screen.If u attempt that question then next question will b automatically displayed .

Below every question 5 options will be given choose the correct answer . So choose the correct option & click on the submit button.

Here I am describing some of the questions which I faced in that written test.

In **1st ROUND**:(according to online test)

1. verbal (for this u have to prepare from GRE BARRON's model 5 test paper's opposites is enough..and for Synonyms previous year Questions..)
2. aps (only previous question papers of TCS only go through that definitely u'll get from that only...)
3. cirritical reasoning.(for this u prepare from GRE BARRON's 5 Model test Paper is more than enough).

NOTE: plz go for only 12 th edition of GRE BARRON'S...Strictly

**1.)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

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.

NOTE:- Plz read all words starting with the letter A, C, P, R, S and T from Barron's...12 edition Passage was about White and black. (don't rem...) You have 10 choices from which you have to fill the blanks.

For aptitude just go through the previous papers..... All que were similar, only value has changed..... Understand the concept

## 2.) QUANTITATIVE

I don't remember all the questions but here are some...

1) 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

2)  $g(0) = 1$ ,  $G(1) = -1$ ,  $G(N) = G(N-1) + G(N-2)$ ,  $g(6) = ?$    1. -2   2. 3   3. 1   4. 0

3) 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 belows 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

4) 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

5) My flight takes off at 2am from a place at 18°N 10°E and landed 10 Hrs later at a place with coordinates 36°N 70°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

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. ( $= 24\text{hr} \times 80/360$ ).

6) Which of the following is power of 3  
 a) 2345   b) 9875   c) 6504   d) 9833

7)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:  $Y = \log_{10}(X)$

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

1.12,6,8      2.6,8,12      3.4 ,6, 8      4.8,12,6

9)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)

10)Pick the odd one out

a) SYBASE b)DB2 c)ORACLE d)JAVA 5)INGRESS

11)Find the result of the following expression if , M denotes modules operation, R denotes round-off, T denotes truncations

$M(363,5)+R(5.8) +T(7,7)-R(3.8)$

12)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?

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 |

14)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.

15)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 ,asked to write formula for that.

16.)What is the unit of the following?

$(\text{Power} \times \text{time}) / (\text{velocity} \times \text{velocity})$

17.)What is the largest prime no that will fit in 7 bit memory?

$$2^7 = 128$$

Ans 127

18.)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?

->What % people speak German but not English?

19.)Odd one out:

a. LINUX b. WINDOWS 98 c. SOLARIS d. SMTP      ans: SMTP

a. JAVA b. LISP c. Small talk d. Eiffel      ans: LISP

a. HTTP b. ARP c. SMTP d. SAP      ans: SAP

a. Linux b. windows NT c. SQL server d. Unix      ans: SQL server

a. SAP b. ARP c. WAP d. TCP IP      ans: SAP

a. Oracle b. Linux c. Ingress d. DB2      ans: Linux

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

a. WAP b. HTTP c. BAAN d. ARP      ans: BAAN

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

### 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)

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

This passages are more than enough to clear critical reasoning, without GRE barrons 12th edition it is difficult to clear the written test .

If u cannot understand them just MUG UP the answers.

This is all about my written round.... I qualified for the next round it was technical round

## **INTERVIEW**

There were three Interviewers in my panel. Here I m explaining what they asked from me, it is as...

(Int : INTERVIEWER Me : Vishal )

Int : Good Morning Vishal, have ur seat

Me: Good morning Sir,

Int: So, Vishal tell me something about urself

Me: I tell them about my academics , my hobbies, my strengths etc

Int: Tell me about ur subjects

Me:I did

Int: Tell me the various selection , sorting techniques..

Me: I explained about all sortings, then they told me to write the code for bubble sort which I easily did ( are yaar bahut hi aasan question pucha tha...yeeh)

Int: What about DBMS

Me:Sir , I know DBMS but I m not much confident in it , they give me to build a table for employees of company...I did it

Int: What is the difference b/w Applet & Servlets

Me :I told

Int: have u done any project

Me: I told about my mini project of 5th semester

Int:what r the subjects u have in ur btech

Me:I told

Int:You have written that net surfing is ur hobby, but u wont be getting net access in TCS

Me: Sir , I use net only for my studies purpose, so there is no problem as such

Int:Exploring new places is also ur hobby, how many places u have visited

Me:I explained

Int:What type of books u read?

Me: I told

Int: why ur btech % r so less..

Me: I told the reason ( this question is much asked , so prepare well if ur percents are low)

Int:Are u adaptable

Me:yes sir, u can throw me anywhere in India , I 'll manage

Int:what is SDLC?

Me:I told

Int:what are various types of testing

Me:I told

Int: what is the difference b/w applet & normal program etc,etc

Me:I told

And there are various questions relating to my strength & weakness . Some more technical questions were there... My interview lasts for about 45 minutes & they asked everything about my academics, hobbies,strengths etc

I even find it difficult to know whether I am giving technical or HR round...they can ask anything so prepare well..

Finally I was selected for HR round:

### **HR ROUND**

The questions they asked mw are as This round lasts for about 20 minutes

Q:how was ur tech round

Q: why do u want to join tcs

Q: tell me about ur hobbies

Q: what type of books u read

Q:why ur b-tech % are so low( prepare well)

Q:where do u see urself after 5 or 10 years

Q:what r ur weakness

Q:tell me 2 reasons for why we select u?

Q: tell me 2 reasons for why we reject you?

Q:can u manage in south India ?( their most work is in southern India )

Q:do u know about terms & conditions ?

And few such questions more...& finally I got selected

BE CONFIDENT in ur answers.

NO need to get Nervous during interviews, be COOL & have smile on ur face.

Even if u don't know any answer simply say "sir I m unable to recall it"

Never say " sorry sir" or "Don't know"...

The panels r friendly ,they just try to know ur confidence level..

So, be confident .If u have prepare well then u will surely be getting SUCCESS.

HOPE TO SEE U THERE AT TCS.....BEST OF LUCK

Test Paper :82	
<b>Paper Type</b>	: General - Interview
<b>Test Date</b>	: 25 January 2008
<b>Test Location</b>	: SVITS, Indore
<b>Posted By</b>	: Abhishek Dilliwal

## TCS PAPER ON 25th JANUARY INDORE

Hi, My faced about 3 stages, first was **written** - the pattern of which was similar to previous year pprs, though there was some change in data and yeah this time they declared the result at the end... i mean no special screen like "congratulation" or something appeared... after i cleared written we were required to submit a copy of our CV and we were given a TCS form to fill.. then there were next stages in queue...

### Technical interview:

when I was called, the senior who took me said... "Main tujhey jiss panel main ley jaa raha hu ye program banwa rahey hain tu tayar rehna"... i was bit excited.. i entered in lab n the guy gave me a paper on which i had to write code, he made me sit at one corner... the problem was easy though, juss to print the pyramid..

1 20

2 19 17

3 18 16 14

4 17 15 13 11

it took arnd 4-5 min to solve n i said "sir!!!" he said "ok done?.. wait" i saw there were 6 ppl already in queue.. after 3 i just stood up n said "sir may I" ba` that was not my chance to go... the guy who had to come flaged me n i was now facing interviewer... seemed he was quite professional... no introduction just asked me to explain my program... i said "ok lets debug it... " n i started explaining... then he started reading my cv.. (standing) "ok u know BASH scripting??" i said "yes sir"... then he asked me to make a script which prints a string character by character... i said ok.. n started wid it... meanwhile he was going through my cv... suddenly he said.. "done??"... i just turned the page to him n said "yeah sir"... he saw n said "ok... can u tell me the difference btw K-shell n BASH" i started makin him count.. then he was like "ok ok m giving u this memory space n one pointer now play with it... make programs to print string in reverse, normally, ne 10 char from ne where"... it was again a simple task.. i wrote all tht n then he started pokin with pointers... i managed to show him tht i was correct ol the way ... he said "(smiling)ok u can go.." well tht was my technical...

then after waiting 5+ hrs I was called for **HR..** there were two interviewer.. one lady n one gentleman... they tried to trap me in many situation like... if we send u to pakistan.. if u had to leave job for ur date... what is my weakness... on a scale of 10 hw much u will give urself for confidence... will u be in among selected ppl.. y u take part in coding competition... do i have gf... what is logic according to me... n many more...

Bye,  
Abhishek

Test Paper :83	
<b>Paper Type</b>	: Candidate Experiences
<b>Test Date</b>	: 24 January 2008
<b>Test Location</b>	: Hindustan College of Science & Technology, Mathura
<b>Posted By</b>	: Amit Kumar Dixit

#### TCS PAPER ON 24th JANUARY AT MATHURA

hi everyone this is amit from agra. i want to share my experience of TCS, but first of all i want to say thanx to GOD . TCS came to my college h.c.s.t mathura on 24th of january 2008.Around 390 student appeared for the online aptitude test, out of which around 240 student cleared the aptitude test and finally 66 students were selected and thank god i was one of them.

there were 4 rounds

1. **ONLINE APTITUDE,**
2. **TECHNICAL INTERVIEW.**
3. **HR INTERVIEW.**
4. **MR INTERVIEW.**

AS usually **online apti** had contained 32 verbal questions,38 quantitative question,and 3 question of analytical reasoning. i think if you do well in quanti and in critical reasoning than easily you can clear the aptitude.for quanti just solve the last year papers as they only changes the value but questions are same. for analytical reasoning just mug-up the options of all analytical question paragraph's from GRE 12th edition, because they might be very tough to solve there, if you do this than you don't need to be worried about verbal reasoning ,as my personal experience says IF you are not good in english so will be very difficult to think about selection with concentrating more on english for TCS.

**SO JUST QUANTI AND ANALYTICAL IS MORE THAN ENOUGH TO CLEAR APTITUDE.**

IN the **technical interview** they will judge your confidence and knowledge so be prepared with subject like software engineering, dbms,da,datastruture,os.just clear all the fundas of those subject. Prepare your project very well because the will definatly ask question from your project and have some practice of c language program such as swapping,factorial,Fibonacci series,multiplication of matrices,string reverse,tingles and more. if you don't know the answer than immediately say no.

IN **hr and mr** they check your communication level and your working capabilities in stressed condition. it will be beneficial if you have already given the mock interview.  
so have faith on your self and in GOD ,do your work and leave rest on god ,hope you will be selected.

BEST OF LUCK FOR YOU.

THANX.

Test Paper :84	
<b>Paper Type</b>	: Whole Testpaper
<b>Test Date</b>	: 23 January 2008
<b>Test Location</b>	: SVITS College of Engg. Indore
<b>Posted By</b>	: Mitika Agrawal

TCS PLACEMENT PAPER 23rd JANUARY AT INDORE

3 sections

**1. Verbal**

Antonyms (5 exercises given), synonyms, high frequency words.....all from GRE  
BARRONS 12 EDITION

**2. Quanta**

Solve last yr. papers n will b more than enough.....more over solve R.S. Agrawal

**3. Logical Reasoning**

3 cases will b given each having 4-5 ques.....all from BARRONS 12 EDITION solve all  
Analytical portions of all model test papers given at the end.....n do all cases having ques.  
more than 4.....can leave those cases which have ques less than 4 they r never asked.....

QUANTA.....some of the ques which I remember.....

1. 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

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. What is the largest prime number that can be stored in an 6-bit memory?

Ans. 61 ( $2^6 = 64$  ; now prime no. less than 64 is 61....so ans is 61)

4. What is the largest prime number that can be stored in an 7-bit memory?

Ans. 127

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

Ans. 251

6. What is the largest prime number that can be stored in an 9-bit memory?

Ans. 509

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

Ans. b

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

Ans. d

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

Ans. c

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

Ans. d

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

Ans. d

13. 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%

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

Ans. 6, 12, 8

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

Ans. 621

16. 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 ( $3+3+7+6$ )

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

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

Ans. 997

19. 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.  $(750 \times 15 + \{1500 - 750\} \times 12)$

20. 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. (put 9 & 4 in eq. n subtract )

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 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 ms  $(10 + 20)$

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. 8 days

23. Find the singularity matrix from a given set of matrices?

Ans.  $(\det(A) = 0)$

24. 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.  $3000 + [7 \times 7 \times 2] + [4 \times 2]$

25.  $(\text{Momentum} \times \text{Velocity}) / (\text{Acceleration} \times \text{distance})$  find units.

Ans. mass

26. 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

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. Solve bar graph n pie chart problems from RS A grawal.....2 ques from this part are 4 sure.

29. Solve series problems.....like..... 2,7,24,77,.... Find d missing term?  
Ans. 240 ( $2*12=24$  ;  $7*11=77$  ; so  $24*10=240$ )

No sectional cutoff & no -ve marking.....but b careful there can b upper cutoff which is not disclosed.....so if u r sure dat u have done max. of them correct then better 2 leave a few but b sure 1st dat u b selected in how many u have attempted.

### INTERVIEW.....(25 Jan 2008)

After selection in written I prepared 4 ma interview.....1st was technical round.....Be thorough with the subjects u have written in ur resume....n better prepare 4 C, C++ especially C programs are often asked...

In my technical round I was asked to make a program in C n about my sub related ques....Transducer.....just b confident in what ever u say.....confidence matters more den d knowledge.....

Then comes HR round.....in this round ur confidence level, stress level n all ur managerial skill r checked out.....they judge your analytical ability. They check 4 how u handle stress, ur confidence, communication skills, presence of mind, & overall personality.....

I would like 2 give ma experience of HR round.....what all this round needs is 2 b cool n 2 have a smile on ur face.....mine was a stress interview.....there were 2 in ma panel.....As I entered the cabin

Me : Good evening sir

Inter 1 & 2 : Good evening, sit down

Me : Thank u sir

Inter 1 : y u switching 2 s/w from IC

Me : I gave my ans.....

Inter 1 : It seems u r selfish...(He said me on d basis of my ans.....but just b cool)

Me : I explained myself..

Inter 1 : U not able 2 impress me.....U seems 2 b selfish.....n u r arguing with me I wont take u in my comp.....n u also from IC so I don need u...

Me : I apologized (I dint argued, it was dere trick 2 get me in stress.....but I remain cool n said sorry.....do not show ego in ur ans n if required say sorry)

Inter 2 : Y u wanna go 4 TCS

Me : told

Inter 2 : I m not satisfied

Inter 2 : Well how can u contribute 2 our organization ur IC knowledge is of no use...

Me : I explained

But still he wsnt satisfied.....he was again n again trying to bring me under stress

Inter 2 : Do u know C C++

Me : yes

Inter 2 : Diff. b/w C & C++

Me : ans given

In b/w

Inter 1 : How much is Ujjain from here, Do u go dere, What is it famous 4, train must b available 4 dere

Me : ans given

Inter 2 : What is Transducer

Me : ans given

Inter : What is Inheritance

Me : ans given

Inter 2 : What is polymorphism

Me : ans given

Inter 1 to Inter 2 : Y u asking Ques 2 her I don wanna take her in my company

Inter 2 : Do know about the agreement u have 2 sign with us, r u ready 2 sign

Me : Yes m ready

Inter 2 : Do u know u have 2 often go abroad.....r u ready 2 go any where

Me : Yes

Inter 1 to Inter 2 : Y u asking again n again Ques 2 her I don wanna take her in my company

Inter 2 to Inter 1 : Let me have 1 chance she is from IC

N den he asked more ques.....

Inter 2 : What attracted u d most in our PPT

Me : ans given

Inter 2 : Last ques....Inter 1 will reject u he had told dat but if I have any scope 2 select u den give me 3 reasons y should I select u

Me : ans given

Inter 1 : look I will reject u dats final so give me 3 reasons y should I reject u bcoz I have 2 mention it in d feedback form so plz help me out n give me 3 reasons 2 reject u

Me : Silent.....Sir it's a difficult ques 4 me

Inter 1 : Its very simple but u making it difficult.....chalo I will help u.....1st reason is u from IC.....now give me 2 more reason

Me : I said nothing

Inter 1 : U have not given me ans of this ques.....Now its confirmed dat I wont select u.....U can go know.....

Me : Thank u sir.....n walked out

So this was my experience 4 my 1st interview.....What do u think would I have been selected.....Yeah I was selected.....there were 115 selections n I was 1 of them.....Surprised right.....but what all u have 2 do is.....b confident, don't let stress take hold of u, don't react to any of dere ques.....just give them response, and give ans...from what u feel in u 4 dat ques do not mug up these ans they r of no use n this is d round where ur personality matters a lot.....The way u carry urself is very important.....b cool n u will surely find ur way.....to.....TCS

This is Mitika Agrawal from SVITS placed in TCS

<b>Paper Type</b>	: Candidate Experiences
<b>Test Date</b>	: 20 January 2008
<b>Test Location</b>	: Noida, C-DAC & Galgotia
<b>Posted By</b>	: Atul Jain

TCS PAPER ON 20th JANUARY 2008

TCS Conducted Campus recruitment on 19-20 Jan in Greater Noida. It was a Joint Placement Of C-DAC and Galgotia College .

There were around 400 student who took the test. Package was 3.15 L for B.tech and 3.35 L for MCA and Mtech. 2 yrs Bond.

There are 4 rounds

**1st round:** Online test is there, in which they ask Aptitude ,Quant, Reasoning questions. English is very Difficult , infact synonyms and antonyms , even Angrez can not do J  
Quant was very easy. No need to waste ur money in buying RS aggarwal.  
Reasoning was again bit difficult, they ask faltu k question.

All questions are from Previous yrs papers in Quant. Apti and Reasoning , do Barrons Model Test Papers from 12 th edition

### **2nd Round: Technical Interview**

They will scan ur resume and ask u question on ur Fav Subject, and Project C question, DATA structures, SQL, OS etc

### **3rd Round: HR Interview**

Wohi sab OLD stuff: tell abt urself, why TCS, Why shud we hire u, strength , weakness etc

### **4th Round: MR interview**

Again, same stuff, why TCS etc.

Faltu ka sa paper aata hai, jaise marji kar do  
No need to prepare any thing, just go and do akad bakad bombay bo.

All the best.

Atul Jain

<b>Test Paper :86</b>	
<b>Paper Type</b>	: General - Interview

<b>Test Date</b>	: 20 January 2008
<b>Test Location</b>	: Galgotia, Greater noida
<b>Posted By</b>	: Anju Gupta

## 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
- 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.

- 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
- have good body language
- good eye contact

gud luck friends

meet u in tcs!!!!



<b>Test Paper :87</b>	
<b>Paper Type</b>	: Whole Testpaper
<b>Test Date</b>	: 19 January 2008
<b>Test Location</b>	: Galgotia, Greater Noida
<b>Posted By</b>	: Anuj Gupta

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

$$x + y = 150 \quad \text{..... Eqn 1}$$

$$2x + y = 264 \quad \text{..... Eqn 2}$$

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  $9^{\circ}\text{N}40^{\circ}\text{E}$  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 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 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  $53/9=4(\text{remainder}=17)$  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 4

.....and 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

$$\text{bcoz } g(2) = g(1) - g(0) = 1 + 1 = 2$$

$$g(3) = 1$$

$$g(4) = -1$$

$$g(5) = -2$$

$$g(6) = -1$$

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 take to copy 26 pages?

Sol) A can copy 50 pages in 10 hrs.

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

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

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 1 hr.

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

since in 3 hrs 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 complement of C and then add it with A,

That will give us (A-C)

2's complement of C = 1's complement 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

$$10001001 \text{ .OR . } 00110011$$

The answer is = 10111011,

Whose decimal equivalent is 187.

14) One circular array is given (means memory allocation takes place in circular fashion)

dimension (9x7) and starting add. is 3000, What is the address of (2,3).....

Sol) it's a 9x7 int array so it requires 126 bytes for storing. b'z integer value needs 2 bytes of memory allocation. and starting add is 3000

so starting add of 2x3 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  $= 9$  mph

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

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 =  $\frac{1}{3}$  of  $x$  or  $\frac{1}{2}$  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

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\*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 => 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 full tank=  $12/(4/5)$

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

33) wind blows 160 miles in 330min. for 80 miles how much time required

Sol) 160 miles = 330 min

1 mile =  $330/160$

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

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) odele 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  $9+4(\text{bigger ones})+1(\text{biggest one})$

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  $28 + 42$ )  $\Rightarrow (42 * 20)/70 \Rightarrow$   
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 cannot 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 determine the second finalist from the remaining 138 players (excluding the 1st player)

therefore to determine the winner 138 matches should 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 =  $(22/7) * (8/2) * (8/2) = (352/7)$

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 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 walk?

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 8 FT IN 4 YEARS  $\Rightarrow$  THE BIG TREE GROWS 4 FT IN 2

YEARS.WHEN WE DIVIDE  $4\text{FT}/5=.8*3=>2.4$

ans:  $1.5 \text{ mt } 4(x+(3/5)x)=88x/5=2x=5/4$  after 2 years  $x=(3/5)*(5/4)*2=1.5$

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 allotted 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

$$A - B = 3$$

$$B - C = 5$$

$$A - C = 8$$

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

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 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  $(16*6*6)\text{cm}=576\text{cm}$ ;

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 1st day Anand does  $1/7$ th of total work  
similarly,

Bithu does  $1/8$ th work in 2nd day

hence at the 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 woman 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

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)

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

This passages are more than enough to clear critical reasononing,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)

ANUJ GUPTA

Test Paper :88	
<b>Paper Type</b>	: Whole Testpaper
<b>Test Date</b>	: 29 December 2007
<b>Test Location</b>	: Hyderabad
<b>Posted By</b>	: Suresh

Hi

**VERBAL SECTION (1-20)**

Read the following Passage and select the best answer to questions(1-4) among the given choices

Routines are the unreturned algorithms followed by each one of us, every in life. Routine is a chain of events, which never changes there order once it is prioritized. Following the routine is a schedule of events. For a student it would it be assignments, attending schools, coaching classes or doing a Project. For the business man, brandishing the tiniest mobile phone and shielded by the doctor than black shade of Mercedes, schedule is restricted to attend meetings, presentations and entertaining new Prospective clients.

Sometimes life begins so hectic that you feel as if you are the only person who is working harder than all others. Such type of thoughts comes to us due to thinking about ourselves. Others may be facing the same shade of destiny as you, but you think there are luckier than you. Yes, the grass on the other side is always greener and fresher.

Maintaining your cool, at the times of the difficulty and in spite of hectic-schedules is the key to a bright career and success in life. Because, unless we ourselves change the pace with the change in times and keep ourselves abreast of the latest time table of our organizer, we will lag behind.

The more the things one has to do or one is into, more is his involvement in a mental, physical or social way into these things. Due to this his own personal problems are out of sight because, all time his mind is thinking of completing the task undertaking problems which are out of sight are out of mind.

Each thing that we do adds to our personality. It shapes our thinking and makes us more organized, experienced knowledgeable and creative. The time and effort that we put in every day into tasks is the brick and mortar of our future life. So friends, it is always better to be busy rather than idle. Hasn't everyone heard that an idle mind is the devils work shop? Behind every successful man is a devotedly followed schedule.

- 1) The author of the passage is of the opinion that
- a. The world is merciless to a few persons
  - b. Behind every successful there is a women
  - c. All other people seem to be luckier than the author
  - d. We must keep cool even in difficult times

- 2) What is the general observation about human nature that the writer makes?
- a. People generally hate to be tied to a schedule or routine
  - b. People generally feel that they can progress by following a schedule
  - c. People feel that they alone are overburdened and being treated crudely
  - d. People follow routines happily because they require less effort.

- 3) According to the above passage, we must
- Not involve ourselves too much in the work that we do
  - Avoid keeping hectic schedules because they must harm our body.
  - Be loathing to put time and sweat into our bodies.
  - Run neck and neck with God's timetable lest we lag behind.
- 4) The result of many things we do results in-
- Enhancing our personality
  - Bettering our organizational and creative ability
  - Giving us knowledge and experience
  - All the above
- 5) From the following sets of words, choose the word correctly spelt
- Accomodate
  - Acommodate
  - Accommodate
  - Accommodate
- 6) Select the option that gives the correct meaning of the given idiomatic expression or phrase.  
"A rising star"
- A star that rises the highest in the sky
  - A star which shines the most.
  - A person coming into prominence
  - A star that appears only once in a month.
- 7) Select among the given choices the word or phrase for each blank that best fits the meaning of the sentence as a whole. The recent nuclear threat is the \_\_\_\_\_ of 12 years of terrorist attacks, which have inflicted on us more casualties both military and civilian than Iraq did on Kuwait
- Culmination
  - Reflection
  - Dogma
  - Defiance
- 8) Select the option that can be substituted the given sentence
- Condolence
  - Calumny
  - Obituary
  - Corrigendum
- 9) Given below are sentences which when arranged logically form a coherent passage? Choose the given option which gives the correct sequence.
- The alternative was a blitz by the health workers to popularize preventive measures.
  - The information was considered inadequate.
  - People have been reading about AIDS in the mass media
  - Nobody is sure as to how effective this would be.
  - People were also not being influenced enough to take preventive measures.
- CBADE
  - ABCDE
  - BACDE
  - CDABE
- 10) Choose the lettered pair that express a relationship most similar to the relationship expressed in the capitalized pair HOBBLE :: WALK
- Gallop :: Run
  - Stammer :: Speak
  - Stumble :: Fall
  - Sniff :: Smell
- 11) Select among the given choices the word or phrase for each blank that best fits the meaning



of the sentence as a whole. While there is hope in the one-day game, where Indian team has at last cast aside the chains of \_\_\_\_\_ thought, there is a very long journey to make in Test cricket

- a. Delinquent   b. Delirious   c. Decadent   d. Disruptive

12) Select among the given choices the word or phrase to replace the underlined phrase in the following sentence Our departure from this place from now depends on they coming here.

- a. Depends on them coming here  
b. Depends on their coming here  
c. Depend on their's coming here  
d. Depends on their's coming here

13) Choose the lettered pair that express relationship most similar to the relationship expressed in the capitalized pair. FRAYED::FABRIC

- a. Thawed::Ice                      b. Renovated::Building  
c. Frazzled::Nerves              d. Watered::Lawn

14) Select the option that gives the correct meaning of the given idiomatic expression or phrase "To wash one's hand off"

- a. To wash one's hand with water  
b. To wash one's hand with soap  
c. To disclaim the entire responsibility  
d. To put one's firm in trouble

15) Given below are sentences which when arranged logically from a coherent passage. Choose the given option which gives the correct sequence.

- A) What is amazing is that resending of decisions does not seem to be one bit embarrass the government.  
B) "Rollback" appears to have now became an institutionalized decision making process of the government  
C) This is the certainly suggested by the frequency on prices and subsidies are announced and them the status quo restored in part or in full.  
D) It has well and truly functioning an integral part of the functioning of the government.  
E) Even the word, "Rollback", has become a permanent entry lexicon of political discourse.  
a. ABCDE   b. BCADE   c. BCDAE   d. EBDCA

16) Choose the lettered pair that expresses relationship most similar to the relationship expressed in the capitalized pair. LACHRYMOSE::TEARS

- a. Effusive::requests              b. Ironical::jests  
c. Morose::speeches              d. Verbose::words

17) Select among the given choices that is most nearly opposite word "AUTONOMY"

- a. submissiveness   b. dependence   c. subordination   d. slavery

18) Select among the given choices that is most nearly similar word "OCCULT"

- a. Dreadful   b. Harmless   c. Amazing   d. Mysterious

19) Given below are words three of which belong to same category. Find the word which does not belong to that category

- a. Convulse   b. Soothe   c. Compose   d. Assuage

20) One of the words each set of four words is misspell. Choose the misspell word.

- a. Effeminate   b. Endeavour   c. Exhilaration   d. Exhaustion

### **ANALYTICAL SECTION (21-40)**

21) Ashok bought 16kg of wheat at the rate of Rs 11.50 per kg and 14 kg wheat at rate of Rs 14.50 per kg. He mixed the two and sold the mixture at the rate of 13.50 kg. What is his gain in the transaction ?

- a) Rs 16   b) Rs 18   c) Rs 24   d) Rs 28

22) What is the probability of answering a multiple choice question correctly, If you know that one of the answer is definitely wrong but you have to guess between the 3 remaining answers?

- a)  $\frac{1}{4}$    b)  $\frac{3}{4}$    c)  $\frac{1}{2}$    d)  $\frac{1}{3}$

23) What should come in place of question mark (?) in the following number series?

66, 132, 792, ?

- a. 1584   b. 2376   c. 1246   d. 2674

24) The difference between two numbers is one-seventh of the sum of these numbers two numbers. What is the ratio of the two numbers?

- a. 3:4   b. 4:3   c. 2:3   d. 3:2

25) On return from a business trip Mr. Chidambaram was to be picked up from the railway station by his coachman. Someone he managed a train connection earlier and thus arrived two hours too early. Immediately on arrived he rang up home for the coach and was told that it had just left in order to be exactly in time for the train by which he was scheduled to come. To save the time he started walking homeward at 3kmph. On the way he met the coachman who brought him home an hour before schedule. How far is the Mr. Chidambaram's house from the railway station?

- a. 12 Km   b. 15 Km   c. 18 Km   d. 23 Km

26) A train travelled from Delhi to Patna and back in a certain time at the rate of 60kmph. But if the train had travelled from Delhi to Patna at rate of rate 80Kmph. And back from Patna to Delhi at the rate of 40Kmph. It would take two hours Longer. Find the distance between Delhi and Patna?

- a. 480Km   b. 460Km   c. 450Km   d. 465Km

27) On a certain pasture the grass grows at an even rate. It knows that 40 cows can graze on it for 40 days before the grass is exhausted, but 30 cows can graze there as long as 60 days. How many would the pasture last if 20 Cows were to graze on it?

- a. 140days   b. 100 days   c. 110 days   d. 120 days

28) Most people in the United States view both neither big nor small business as particularly efficient or dynamic and regard both as providing consumers with fairly priced goods and services. However, most people consistently perceive small business as a force for good in Society, whereas big business is perceived as socially responsible only in times of prosperity. The statement above, if true, would provide the strongest support for which one of the following hypotheses?

- a. Most of the people in the United States give little thought to the value of business to society.
- b. If small business were regarded as being more dynamic, it, too, would receive strongly favorable ratings only in times of general prosperity.
- c. Many people in the United States regard the social responsibility of big business as extending beyond providing consumers with fairly priced goods and services.
- d. Even if people did not regard big business as providing consumers with value for their money, they would still regard it as socially responsible in times of general prosperity.

29) In the first innings of the First Test match between India and West Indians at Sabina Park, Kingston. February 18 to 23 1971, the bowling honors in the Indians team were shared by B.S.Bedi, E.A.S. Prasanna and S.Venkataraghavan. Can you, based on the following statements, conclude the number of wickets each took?

- 1) Either Bedi took 5 wickets and S.Venkataraghavan took 3, or Prasanna took one more than S.Venkataraghavan.
  - 2) Either Bedi took half the wickets or one of the players was run out.
  - 3) The sum of Bedi's victims and double those of Prasanna is one more than three times Venkataraghavan's.
- a) Bedi-2, Prasanna-4, and Venkataraghavan-3
  - b) Bedi-3, Prasanna-4, and Venkataraghavan-2
  - c) Bedi-2, Prasanna-4, and Venkataraghavan-4
  - d) Bedi-2, Prasanna-5, and Venkataraghavan-3

30) The Basic College Council is made up of representatives from the departments in the various divisions. From the science Division is one representative from each of the departments of chemistry, Mathematics, and Biology. The social Science Division provides a representative each History, Linguistics, and Economics. A representative from Philosophy and one from Rhetoric serve for the Humanities Division

All Council Committees are made up entirely of Council members.

Each Committee has exactly four members.

Each Committee has at least one member from each Division.

The representative from chemistry will not serve on a Committee with the representative from Biology. The representatives from Mathematics and Economics always serve on the same Committees. The representative from Rhetoric will only serve on a Committee on which the representative from Biology or the one from Economics, or both, serve.

- a. Chemistry, Mathematics, History, Economics
- b. Chemistry, Mathematics, History, Philosophy
- c. Biology, History, Economics, Rhetoric
- d. Mathematics, Biology, Economics, Rhetoric

31) A train leaves New York City at 7.15 Am and arrives in Buffalo at 2.47 that afternoon. What total length of time does the trip take?

- a. 6hrs, 28mins    b. 7hrs, 12mins
- c. 7hrs, 32mins    d. 8hrs, 12mins

32) After several attempts to distract his young parrot from Chewing on furniture, George reluctantly took an expert's advice and gently hit the parrot's beak whenever the bird started to chew furniture, The bird stopped chewing furniture, but it is now afraid of hands and will sometimes bite. Since Chewing on the furniture would not have hurt the bird, George should not have hit it.

When Carla's puppy escaped from her yard, it bounded into a busy street. Although Carla does not generally approve of physical discipline, she hit the puppy sharply with her hand. Now the puppy enters the street only when accompanied by Carla, so, Carla was justified in disciplining the puppy.

Which one of the following principles, if established, would justify the judgments about George's and Carla's actions?

- a. When disciplining an animal physically, a trainer should use an object such as a rolled up newspapers to avoid making the animal frightened of hands.
- b. When training an animal, physical discipline should be used only when such discipline is necessary to correct behavior that could result in serious harm to the animal.
- c. Using physical discipline to train an animal is justified only when all alternative strategies for the correcting undesirable behavior have failed.
- d. Physical discipline should not be used on immature animals.

33) In a Conventional Clock, how many times does the minutes hand pass the hour hand between noon and midnight?

- a. 8 times    b. 10 times    c. 12 times    d. 15 times

34) If  $24+35=28$ ,  $15+49=24$ , and  $69+37=50$  then  $27+48=?$

- a. 27    b. 36    c. 48    d. 59

35) Its not easy having a mathematics professor as a friend. When she invited you to her house she says, "All the houses on my side of the street are numbered consecutively in even numbers. There are Six houses on my Side of my block and sum of their numbers is 9870. You don't know which block I live on, and it's a long street, but I will tell you that I live in the lowest number on my side of the block. What's the number? Or are you just going to ring the first- numbered doorbell for twenty blocks?

- a. 1580    b. 1640    c. 1650    d. 1680

36) The time to complete a standardized exam is approximately normal with a mean of 70 minutes and a standard deviation of 10 minutes. Suppose the students are given 1 hour to complete the exam. The proportion of students who don't complete the exam is

- a. 0.500    b. 0.159    c. 0.341    d. 0.841

37) Rajesh brought a TV priced at Rs 2000. He was given two Successive discounts of 10 and 5 percent. If he has to pay percent sales tax, the net amount he paid was

- a. Rs 2663.40   b. Rs 2660   c. Rs 2350   d. Rs 2460

38) A drawer contains a number of Red and Blue socks. If I pull two out of random, then the chance of them being a Red pair is a half and chance of them being a blue pair is a twelfth. How many socks are in the drawer?

- a. 120   b. 140   c. 150   d. 160

39) A Clock strikes every hour-once at 1.00, twice at 2.00, and so on. The clock takes 6 seconds to strike 5.00 and 12 seconds to strike 9.00. the time needed to strike 1.00 is negligible. How long does the clock need for all its striking in 24hours?

- a. 168 Secs   b. 178 Secs   c. 188 Secs   d. 198 Secs

40) Grandpa was feeling generous, so he gave a total of Rs 100 to his Five grandchildren. Starting with the Youngest each got Rs 2.00 more than the next Younger one. In Other words, the youngest got one sum, the next got Rs 2.00 more, and so on. How much did the Youngest Grandchild get?

- a. 14   b. 15   c. 16   d. 17

#### **TECHNICAL SECTION (41-50)**

41) Which of the following is not associated with magnetic memory?

- a. Sector   b. Pit   c. Track   d. All of these

42) NASSCOM

- a. IT services Industry body  
b. Manufacturing Industry body  
c. Infrastructure Industry body  
d. None of the above

43) Which of the following is not a codec

- a. DiVX   b. EVid   c. FLAC   d. XviD

44) Which of the following Chipmaker has designed Athlon?

- a. Intel   b. Freescale   c. AMD   d. IBM

45) Which of the following is a formatted input function in 'C'

- a. getchar()   b. getche()   c. gets()   d. None of these

46) Rank the following 4 items in terms of access speed:

1. Main Memory
2. Magnetic Disk
3. Registers
4. Cache

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

47) What kind of a structure is a queue?

- a. First in First out
- b. First in last out
- c. First in middle out
- d. First in second last

48) A Jazz drive is a separate drive. What is the storage space of Jazz drive

- a. 100KB   b. 20-40 GB   c. 1-2 GB   d. 650 MB

49) Which of the following is doesn't affect resolution of a video Display image?

- a. Bandwidth
- b. Raster Scan rate
- c. Vertical and Horizontal lines of resolution
- d. Screen size

50) Which of the following statement are applicable to LINUX?

- i. Multi-User and Multi-Tasking
  - ii. Open Source OS
  - iii. Developed at AT&T's Bell Laboratory, USA
- a. (i) only   b. (ii) only   c. Both (i) and (ii)   d. (i), (ii) and (iii)

Bye,  
Suresh

Test Paper :89	
<b>Paper Type</b>	: Candidate Experiences
<b>Test Date</b>	: 2 December 2007
<b>Test Location</b>	: Hadapsar, Pune
<b>Posted By</b>	: Arshad Shaikh

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.

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 technical 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

Test Paper :90	
<b>Paper Type</b>	: General - Interview
<b>Test Date</b>	: 6 October 2007
<b>Test Location</b>	: TCS ,Hyderabad
<b>Posted By</b>	: Basha

#### TCS PAPER ON 6th OCTOBER AT HYDERABAD

Hi., friends. I am Basha. I am an MCA graduate.I have attended TCS process in october. The process of written test is very easy. On october 6th I went to write the exam,and come back with so much of happiness.

For the **written test** previous papers that r available in this site is more than enough.

#### For **Technical Interview**

If u r computer Background prepare subjects that which r in ur academics.

A few subjects r enough. like.,c,c++,core java(If u know j2ee concepts u can specify in resume),Database,s/w engg,Networks,Data Structures,Operating systems.

These Subjects r more than enough for computer background students. Where as for the non computers back grounds c,c++ r enough.And some of their subjects also needed.

There r approximately 30-40 panels r there for the technical interview. If u through with the subject then u can through in any of the panels.But there r some panels that they will ask questions very toughly.So be care in the interview before telling the answer. U r next will depend upon the previous answer that u have told. Interviewer may ask any question either easy or tough,.mostly they will ask easy questions only. It's better to prepare a lot for this interview

I have been selected in this technical round.



### Next **MR Interview**

Easy one.,In the recruitment process.

He asked

>tell me about u r self

>why should i hire u

>why not infosys

It went upto 20 min.

### Next **HR Interview**

>Tell me about u r self

>Why tcs

>what will u do for our company if i hire u

>He asked about my my percentages in degree., as I have 61.7% in degree

>And asked about my supplementary exams that I have ever written.

Suddenly I started to loose confidence bcoz of his -ve answers.

>And asked some questions on mathematics.

I shocked and lost some confidence.

>He asked a lot of questions.,and those questions r not asked in any panel.

>R u ready for 2 year bond

>He said Ok., "I will getback to you"

I will getback to you -- is very disappoint phase.

If any Interviewer told this phase ,It's better to try for other job.

If our performance is good they won't told that phase in most cases.

There is a Small diffrence between Success and Failure.that is a line qualifies success to 100%.

Scucess(100%)

Failure(99% to 90%)

One last thing ie.,Confident people haves the hope on GOD.

All the best..!

Test Paper :91	
<b>Paper Type</b>	: General - other
<b>Test Date</b>	: 6 October 2007
<b>Test Location</b>	: Hyderabad
<b>Posted By</b>	: Shiva Prasad

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:**

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 passages 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 .

### **Technical Interview:**

First thing don't be afraid.bcoz 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. Tellme 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

### **HR:**

Hmmmm..

Bla bla bla .....same questions as everybody know

All the best

Test Paper :92	
<b>Paper Type</b>	: Whole Testpaper
<b>Test Date</b>	: 6 October 2007
<b>Test Location</b>	: Think Campus,Bangalore
<b>Posted By</b>	: Ahila

TCS PAPER ON 6th OCTOBER AT BANGALORE

Hi frnds I appeared for TCS written test on oct 6.I want to share my experience how i was placed in TCS

There are 3 sections in **written test**

**Verbal Section-Synonyms,Antonyms,**

For this section u prepare GRE Barrons 12th or 13th edition. just u mug up those 750 words(50 word lists). Most of the words will be from word list only. If u don't have time be thorough with only synonyms word list I got 10 synonyms from that and nearly 5-6 antonyms.If u have time prepare antonyms exercise also.(seperate exercise which is not in word list)

**Quantitative Aptitude- 40 Q's**

This section is very easy.For this just prepare previous question papers...it is more than enough

**Critical Reasoning - 3 passages**

prepare all the 5 model papers given in the GRE Barrons 12th or 13th edition.u will get all the 3 passages from that only.

For us there was no sectional cut off , so it is easy to clear the test if u r thorough with aptitude and critical reasoning. Our result was declared on oct 19th and Interview date was scheduled on oct 27th.

**Technical Interview**

Finally Interview was so cool .He asked me Tell me abt urself and then our interesting subjects I said C,Java,SQL,Databases

Try to prepare atleast one theoretical subject-Networking or OS or Databases

He asked me only basics.Be thorough with basics.They wont expect more from freshers.

Prepare some simple programs.Sometimes they may ask u to write pgms regarding linked lists.

My Interview was completed and they called me for HR after 10 min.

**HR Interview**

Again Tell me abt urself

and Q's like ur strength & weakness,Why TCS?

they asked me Why not Infosys? just know something abt TCS before u go to HR

Where do u want to see urself in TCS after 5 years?

Be Confident while answering.They wont see whether u r saying the wright or wrong

Finally our result was announced on Nov 8th and I got selected in TCS.I am very happy to work in my Dream Company and Asia's No 1 company.

Ok frnds All the Best

Bye,

Ahila

<b>Paper Type</b>	: General - Interview
<b>Test Date</b>	: 3 November 2007
<b>Test Location</b>	: TCS Hyd campus(E-park).
<b>Posted By</b>	: Hemanth

## 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

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 difference between HTML and JSP?

What is congestion controlling n how would u control them?

what is router ?

what are routing algorithms?

what is piggy backing?

intw: ur fav sub

me: c n java

he concentrated mainly on DS.

the qsts 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 entered into OS(operating systems)  
what is process?  
what are process scheduling algos?  
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 possibilities 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 patieny..  
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 ..

All The Best

Test Paper :94	
<b>Paper Type</b>	: General - other
<b>Test Date</b>	: 3 November 2007
<b>Test Location</b>	: Deccan Park,
<b>Posted By</b>	: Shailaja

#### TCS PAPER ON 3rd NOVEMBER 2007

I am Shailaja did my B.Tech from CSIT stream.....First of all,i am thankful to freshersworld.com.....On october 6th at 8.00a.m i had my **written test**.....On october 6th and october 7th nearly 25,000+ students attended that test.....So,2338 students got cleared for the written test.....If you prepare GRE Barrons and previous papers,then i am sure you will be selected for the written test.....So,its not that big task to prepare for written test.....

And coming to **technical interview**,

i had it on on november 3rd ,3.00 p.m.....So,after verifying our marks lists,they will give us one TCS ID,with that we can get in to the company.....In my tech interview.....i was asked to tell me abt myself,and abt my project.....then,ques on C, and oops concepts.....He asked me to tell the difference between structure and union?asked to write a program for sorting?difference between calloc and malloc?wat are oops pinciples?explain them with real world examples?wat is preprocessor?explain abt storage classes?explain compilation process in C?.....So,i have answered almost all the question very confidently.....And then we are asked to wait for few minutes.....The results were out.....My name is in the selected list.....I am given one form to fill all my personal details.....

Then i am called for my **MR round**.....

Please remember one thing.....feedback will be sent from tech round to MR,and from MR to HR.....So,do well all the rounds.....And in my MR round.....i am asked to tell me abt myself?why tcs?are u intersted to relocate?tell me abt growth in IT field?He asked to me to write 5 s/w companies names on one paper.....and asked to which companies i have attended



previously.....finally he asked me if i have any queries?There ends my MR round.....So,it was 8.00pm in the evening the results were out,i got selected and

i am asked to come for **HR round**

the next day i.e on nov 4th.....In my HR round.....the questions are.....tell me abt ur self?why TCS shud hire you?wat are ur strengths?wat will u do,if your rejected?How are you feeling abt tcs selection procedure???????Thats it there ends my HR round.....So,final result will be displayed on nov 7th at 5.00 p.m.So,i am waiting for my result.....So,i would like to tell u all one thing.....Be confident while you are answering.....They are just trying to check out our confidence level while answering.....Dont try to bluff them.....I hope this paper will be useful,for the candidates who want to get into TCS.....

WISH YOU ALL THE VERY BEST.....

Test Paper :95	
<b>Paper Type</b>	: General - Interview
<b>Test Date</b>	: 3 November 2007
<b>Test Location</b>	: Deccan Park, Hyderabad
<b>Posted By</b>	: Sridhar Reddy

#### TCS INTERVIEW ON 3rd NOVEMBER AT HYDERABAD

Hi friends... This is Sridhar (MCA), cleared TCS (Off Campus) written test held on 7th Oct 2007.. I had technical round on 3rd Nov, MR and HR on 4thNov at Deccan park, Hyderabad. So, let me share my experience and hope this may help you.

If u cleared written exam think that 70% of ur selection procedure was completed.

#### Technical Round:

- >For this round I just suggest to be good at fundamentals on C ,C++/ Java ..
- >Just go through some topics on Software engineering (SDLC,WaterFall Model etc)
- >SQL queries (Not so complicated)
- >Basics on RDBMS
- >They may also ask on OS,Networks (ONLY BASICS)

Questions that i was asked..

- \*1.Tell me about yourself (Compulsory Question in all rounds)
- 2.Diff between C n C++
- 3.Virtual function
4. Logic on Quick sort.
- 5.Phases on SDLC (Important one)

In this round I claimed that I am good at java rather than C++

So I was asked some Questions on java

6. What is compile time polymorphism, runtime polymorphism
7. Exception handling , any two built in Exceptions with examples
8. What is an Interface , Inheritance
- 9 About project
10. Wat is trigger.

I want to suggest you that dont give answers as one line..Just explain it thoroughly with better examples by which you can impress him.

By this u can consume much time which lets him to ask few questions. Maintain i to i contact. This is more imp. Tell the answers confidently..

If you doesnt know any ans just claim that "I dont know" or "I am unable to recollect"..

### **M.R Round**

This round is mainly to check your confidence.. Here also the first Question will be "Tell me abt ur self".Tell atleast one interesting thing which comes under ur hobbies and know about it, becoz he wil be asking 1 Or 2 quest's on it.. I told one hobby ie 'Investing on mutual funds.' He asked some questions on it.And also he explained me about stock exchanges for around 8 minutes..

Then, I was asked to tell about TCS

-> For this question plz dont mugup all the things that are given in About Us page of TCS site.. Just keep 2 to 3 things which you feel easy in ur mind and explain them by just lifting the company by your words..

Know abt its Revenue.

About your project. Some interviewers asked some technical questions in this round..

### **HR Round:**

Here they will check your communication skills and mainly confidence. Just aware abt some questions like, What do you know abt TCS.

Y should I hire u . I just suggest u to be BRAVE. Nothing more than that..

Thats all friends..See, How simple the questions are!!

\*\* Just be confident.Dont fear. Ur fear makes you not to expose ur knowledge in a better way.

There will be all simple questions as shown above..

Our results were announced on 8th Nov. And I am happy that I got selected..

ALL THE BEST... C U IN TCS

Test Paper :96	
<b>Paper Type</b>	: General - Interview
<b>Test Date</b>	: 3 November 2007
<b>Test Location</b>	: Deccan Park, Hyderabad

<b>Posted By</b> : Kusuma
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## TCS PAPER ON 3rd NOVEMBER AT HYDERABAD

Hai all...I am an MCA candidate , I have attended Hyderabad TCS written on 7th October,2007 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....

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.

Test Paper :97	
<b>Paper Type</b>	: Candidate Experiences
<b>Test Date</b>	: 1 November 2007
<b>Test Location</b>	: Army Institute Of Management , Kolkata
<b>Posted By</b>	: Raj Mohan Pandey

#### TCS PAPER ON 1st NOVEMBER AT KOLKATA

Hi freinds TCS visited our college on 1st Nov 2007 to recruit MBA graduates from our college. 42 students from all the streams sat for it and finally 6 got selected. i was one of them.

#### ROUND I :-

the selection process started with the written aptitude test for 1 1/2 hours which consisted of three sections :-

- a.) verbal : 70 - 80% of the questions were repeated from the previous years papers.
- b.) quantitative : basic mathematics question . a very little practice for engineers required. only few questions are formula based.
- c.) critical reasoning : the maximun time taking section. so plz manage the time accordingly.try to retain your CAT fundas.

there were in total 86 questions and the cutt off this time was around 70 - 75%. so keep ur nerves kool nd move ur hands fast. time is really not sufficient!!!!

#### ROUND II :-

(marketing) 19 students got selected in round II who were then asked to fill up a form and called for the interview the same day. it was the technical interview round nd questions related to software management nd selling were asked. (plz read KOTLER nd use your fundas). be kool while answering questions. they were very freindly people. it was a personal interview.

(finance) questions related to finance were asked nd probably the grilling was more as compared to other streams.

(systems) rush up ur languages whatever u have mentioned in the CV.

(hr) they were called to the office for the interview. brush up ur knowlege about labour laws nd hrp.

#### ROUND III :-

this round was only for marketing students nd was very similar to HR round.only three students

were called for this round. the questions related to family background and situation based questions were asked. you have to be extremely cool and confident while answering. be adamant on ur answers.

finally the result was announced the same day and 6 people got selected , 2 from marketing , systems and HR each. none from finance.  
KEEP PREPARING AND .....PRAYING!!!! PRAYERS REALLY WORK A LOT!!!! ALL DA BEST GUYS.....

RAJ MOHAN PANDEY  
AIM , KOLKATA  
WEST BENGAL , INDIA

Test Paper :99	
<b>Paper Type</b>	: General - other
<b>Test Date</b>	: 28 October 2007
<b>Test Location</b>	: Think campus, Bangalore
<b>Posted By</b>	: Rakesh Kumar Priyadarshi

TCS PAPER ON 28th OCTOBER AT BANGALORE

hi..my friends..i m here to share my experience how i ve faced al d rounds and finally became d employee of TCS!!!

#### **WRITTEN TEST:**

my written test was on 13th oct ...it was ok..i was prepared synonyms and antonyms from frequently asked words GRE(barrons)..

i ve not prepared for aptitude and reasoning section bcoz i m good enough in these parts.. but i ll suggest u people to go through barrons for reasoning part and any previous asked ques for aptitude.. i think if u solve 80% of apti, 2 out of 3 resonings and 50% of verbal..u ll easily get through in this round.. try to answer d comprehensive parts in reverse manner..first see d ques then search for d answer by direct viewing of remarkable words... it was online test, but i got d result after 5 days on TCS website...

**TECHNICAL INTERVIEW:** as mentioned in TCS website, my tech interview was in think campus, elec city. i nhad to wait 4 long ..it was started at 11 AM...there was a lady in my panel..first she asked about myself..i told bla..bla ..bla.. then she asked my favourite subject..i told C++ and DBMS... in C++, she asked evrything like polymorphism, inheritence,abstract class etc..and programs on d same.. in DBMS, she asked wat s RDBMS,diff b/n DBMS nd RDBMS, inner & outer join, normalisation and normal forms, trigger,view and some queries to write... she asked even from OS and unix also...she asked all d basic commands of UNIX..and scheduling.wat s process,wat s thread,wat s kernal etc.. in OS..

i answered most of the ques correctly..but i was not so confident in OS. so i told confidently tat i ve studied it long back so i dont hav much knowledge in this sub.. she asked me d last ques..wat s d diff b/n unique key and primary key? i know it was so easy but at tat moment it didnt click.. then she told "u can go" ...i thought i was rejected.. but after 5 min they called me 4 HR round..

#### **HR ROUND: THIS ROUND WAS SO FUNNY!!!**

there was a guy...he asked me to sit...and said Hi... i replied hi ..and thank u sir.. then he asked d same ques "tel me about urself" ..i replied confidently... as i had mentioned in my resume "i like writing poem"...he asked tat whether i hav written any poem on my GF.... i told tat i m writin but there s no end 4 this poem... then he asked about my GF for 5 min as he was young guy.. as i ve mentioned one more thing in my resume " watching sports live".. he asked who recently beats Roger Federer...i replied correctly...its Nalbandian... he was happy with my answers.. than he asked me whether i ll be agreed to two yrs bound,whether i can work in night shift and etc..etc..

finally he asked tat whether i hav any ques to ask... i asked tech ques " wat s mainframe???"  
fiunally he told tat it was nice talkin to u.. BEST OF LUCK.. i replied "thank u!!!"

RESULT WAS PUBLISHED IN TCS WEBSITE AFTER A WEEK...I WAS IN THE LIST...

so guys be confident in watever u r saying... and be natural...no need to expose...u can also get into TCS...BEST OF LUCK!!!

Bye,  
Rakesh Kumar Priyadershini

Test Paper :100	
<b>Paper Type</b>	: General - Interview
<b>Test Date</b>	: 27 October 2007
<b>Test Location</b>	: Deccan Park,HYD.
<b>Posted By</b>	: Sk.Bade

#### **TCS INTERVIEW ON 27th OCTOBER AT HYDERABAD**

Assalam Alaikum friends. I am very happy to say that I have been placed and I am a member of TCS family...First of all ,I thank freshersworld and all other candidates who posted their experience.These helped me a lot to achieve this. The written test was conducted on 6-oct. and results came on 11-oct.Nearly 15000 candidates attended the written test and only 2330 cleared.Out of 2330, 730 cleared HR.They r examining only ur confidence level and way of communicating.



Now I want to share my experience with you. My interview date is on 27-oct. After waiting more than 4 hours, I was called for Technical Interview. My interview lasted for 20 minutes. The interviewer was so cool and friendly. Prepare each and every thing about ur project and be confident.

### **TECH:**

1. Tell about yourself.
  2. Explain about ur project.
- Told. (Please be confident in ur project. They are asking about role, Objective, tables, dbms concepts).
3. What is dbms, rdbms.?
  4. difference b/w dbms and rdbms.
  5. what is class and structure?
  6. What is OS? What is deadlock?
  7. what is primary key, foreign key.
  8. What is normalization? 5 Normal forms. (Important)
  9. Codd's 12 rules (Be Prepare).
  10. what is function?
  11. what is datastructure.?
  12. what are the types of keys in dbms.?
  13. Any questions for me?
- I asked "How can I build my career in TCS?"

After 10 minutes, I knew that I was shortlisted for MR. It was on the next day. i.e. 28-oct. Due to some problem the interview was held on 29-oct.

The M.R. Interviewer was somewhat serious. Friends, Please be confident. If u can clear this, U will be a TCSer. Keep ur face cool and smiley. It lasted for just 7 minutes. For some candidates who are in other

Panel, **M.R. round** is lasted for 40-50 minutes. Surprisingly, they r asking technical also. But, Due to Allah's grace, I was asked some common questions.

1. How was the day?
2. What is the plan today?
3. Why TCS?
4. Rate yourself in C?
5. Why should I hire u?
6. What do u know about TCS?
7. Suppose u r team leader. and any one of the team member is not in charge. What will u do?
8. Suppose another company offers u best salary. Will u go. Why? (I said NO).
9. What is the annual report of TCS? About Quarter results.
10. Tell me features of TCS?
11. How many will u work for us?
12. When team fails?

After waiting for 30 minutes,I was called for H.R.I was the first person to be called for H.R.in our batch.

It lasted for 10-15 minutes.Same questions.

- 1.Tell me about urself?
- 2.Why TCS?
- 3.Why I should I hire u?
- 4.Leadership Qualities?
- 5.Where uwill u see after 5 years?
- 6.Tell one product name from TCS?
- 7.Tell one product name from others?
- 8.Do u know about bond and BGC(Background Verification)?
- 9.TCS Profile?
- 10.Any questions for me?

The results declared on 8-Nov.My name is in the list.Thank Allah.Now,I am the most happiest person in the world.My advice is that Please be confident.If u r not ,Forget about TCS and try for another.See u in TCS.Bye.

Sk.Adil.

Test Paper :101	
<b>Paper Type</b>	: General - Interview
<b>Test Date</b>	: 27 October 2007
<b>Test Location</b>	: Bangalore
<b>Posted By</b>	: Ram

TCS INTERVIEW ON 29th OCTOBER 2007

Interview Date:27-Oct-2007 Location: Think Campus, Bangalore

Interview questions

### Technical

It all started with, introduce yourself. Then questions were from final yr project.. I dont think u need to know each and every thing in code. But u certainly have to know about literature survey(ie domain knowledge about ur project) (eg:My project was on datamining so there were questions on Data warhouse,Data cleaning etc.) Also revise ur 5th sem project. U shd know the projects mentioned in ur resume.If u have mentioned 8th sem and 5th sem project then pls dont think that theyll only ask u about ur 8th sem project. Make sure u are confident about the key skills that u write in resume..Know DBMS well.. DBMS questions: Like clause,Char and varchar,can we store images in database?If u have cleared Tech then u'll asked to wait for HR otherwise hard luck.

### HR

2 ppl were interviewing U have to go with the different minset for HR. Be confident and

loud,maintain eye contact,dont look down and answer.Its ok to say a few white lies. Most important know about the company. Be ready for questions on strenghts, weakness ,wht tcs,about ur acheivements(acheivements can be anything need not be academics alone). Also whats ur Fav subject?they may ask about ur project in general. Willingness to relocate?If u have a preference please say nothing wrong in saying ur preference.

Good luck guys.

By,  
Ram

Test Paper :102	
<b>Paper Type</b>	: General - Interview
error '80020009'	
/placementweek/showpaper.asp, line 427	

Test Paper :103	
<b>Paper Type</b>	: Whole Testpaper
<b>Test Date</b>	: 6 October 2007
<b>Test Location</b>	: Kohinoorpark,Hyderabad
<b>Posted By</b>	: P.Sivajyothi

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 answr 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(prep. 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-talkative  
Inter-bury  
Regal-royal  
Candid-outspoken

**Antonyms**

protract\* shorten  
dilatatory\*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-pamphlet  
repudiate-reject  
furtive-underhanded

**Antonyms**

credit\*believe false  
protract\*shorten  
admonition\*commendation  
quixotic\*pragmatic  
accept\*repudiate

one paragraph wil b given with blank numbered spaces r left in passage nd we hav 2 fill those gaps with appropriate options frm the given options.I hav given one passage related to chlorophyll in plants. 5 blanks wil b givem

Reading comprehension passage is given,it z frm model papers of 12th barrons only.under dat 5 questns r given.u need to answr dem.

Next section z aptitude .I havnt rememberd al d 40 questns but some of dem r.....

1. In 2-dimensional array  $X(9,7)$  with each element occupying 8 bytes of memory with the first element  $X(1,1)$  z 3000.find address of  $X(8,5)$ ?  
wen i referred to old papers one easy mthd was found i.e.;chck dis once  $x$ =given col. \*no. of bits....approach :  $[x *(\text{req. no. of rows} - 1)]$ .this wil gives u d first element of req row.to proceed further u hav to add 8 bytes(as given in d questn) for each term.but i havnt followed dis one.i done dis in the normal manner which is time taking.
- 2.one word z given nd data prvided is lik dis .if 1st nd 2nd ,3rd nd 4th,5th nd 6th r interchanged upto last letter wat wud b d 8th letter frm right?
- 3.In which of d system ,decimal number 184 is equal to 1234?ans.5
- 4.no. of faces,vertices nd 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 "square root"?  
ans. 621

7. If M denotes modulus operation, R denotes round off, 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 correct.

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 the 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 meter. Find the point where the cable cuts through 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 6 pm to 8 pm?

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  $((A \cup C) \cup B)$

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 the matrix from given set of matrices?

Hint:  $\det A = 0$

21. One curve is given you need to find out the equation for that?

22. Bar chart is given showing some sales of company.....

23. Venn diagram is given specifying that sum people speak Hindi, sum speak Telugu and sum in English like that. Under that 3 questions will be there

24. Given length of the three sides of triangle? you have to pick the sides which do not suit for a triangle. (Hint: sum of any two sides must be greater than 3rd side)

25. Latitude and longitude problem

26. Questions regarding physical quantities (momentum, velocity.....)

27. Match the 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 this prep. reasoning passages in model papers of barrons 12th edition. may be sometimes they will change data but model of the passage will be same. 3 passages will be given in which 5 questions under each passage. totally 15 questions in this section. results were placed in tcs portal only. after 5 days from the written I came to know that I cleared the written. Just the old papers and model papers (antonyms, synonyms, critical reasoning) of 12th barrons were enough to clear the written.

### **Technical interview**

Tell me about yourself? (prep. well for this question. this will create impression on you) Basic questions from your academics about your project and technologies used in your project? joins in dbms? access specifiers in java? files in c? small file program? difference between C and Java? You will be asked about your favorite subject. do prep. well for that one thing, whatever you answer, answer it with confidence. don't get confused. ok sometimes they will ask the questions regarding the company in tech. interview also so prep. for that also. No need to get tense. Interviewers were so cool. I was made to wait for 15 minutes and results were announced and I cleared the tech.

On the next day M.R and H.R rounds were conducted. we were given a form and we need to fill that. In M.R round, Interviewer was very very friendly with me, very cool guy. they asked me to tell about myself. your career objective? prep the contents of your resume well why TCS? Quarter results of tcs? about my project? two small puzzles? some of my friends were asked technical questions also. so prep. for that also about the previous interviewer?

about my previous campus interviews? If your % is declining, you need to prep. a good reason to convince the interviewer if you are a non-it student prep. reason that why you are shifting towards software field? my strengths and weakness? (prep. well for this) be careful while telling about your weakness after 10 minutes results were out and HR round was conducted.

**HR round** was little bit tricky for me.

Interviewer goes on asking me that "are you nervous?, are you tense?" like that. but I keep on saying that I am very cool..... they will test your patience that is it, don't get nervous at that time. just maintain smiling face and a smooth voice. your communication skills will play a vital role in these 2 rounds. don't break your voice in the middle.

he asked me to tell about myself, my personal details, about my friends, strengths and weakness, goals, CEO of TCS (Mr. Ramdurai). do prep. well about the company. for interviewer you have to look that you are very interested towards the company. once again I am telling you that prep. well for the question "tell me about yourself" don't give breaks in the middle of answering this question. On Nov. 8th at 4.30pm results were released in the portal of TCS.

By God's grace I was selected for TCS. Only hard work is in your hands do work hard and be confident on yourself, rest of it will be God's grace. apart from hard work luck plays an important role. As my parents blessings, my friends wellwishes are with me and those are the main reasons that I have been placed in TCS. Once again Thanks to all my friends who wished me and helped me a lot for preparation. I am

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