

## CTS PAPER ON 16TH JULY, 2008

The total number of students attended in our college are about 700 to 800(including MCA & M-tech). And they short listed 227 folks from them for interviews which are based on your luck, u may get both tech + HR or only tech or only HR....it all depend on the panel for what u are being called....we have around 10 panels running parallely in our college (ON CAMPUS). But the common que for all ARE

1: "TELL ABOUT YOURSELF" (GET WELL PREPARED FOR THAT 2 BOOST YOURSELF INCLUDING COMPANY)

2: "Y CTS (b prepared for that)..."

ok then lets come down to the interview....

interviewer (he): hi, good evening. my name is Amar Julie... please take your seat

surya (me) :good morning sir, with pleasure...

he: ok tell about yourself

me: my name is surya, my accads, etc.....

he: ok in schooling what subjects u r most interested?

me: maths

he :y not chem (organic)

me: gave reason

he: om then I'll give u a puzzle, can u solve?

me: yes sir, sure with pleasure...

he gave me a paper and wrote roman letter eleven on that and asked me 2 write any thing without lifting your pen and

make I t number 6(six)..(answer: write letter "S" before it)

me: I thinked a lot in my view I satisfied him by folding the paper in the middle and show him the sixth roman letter as well....yes sir i have done it without putting the pen on the paper as well....

he : laughed,, ok then how about your subjects, what r your interested subs?

me: ds, java....

he : can i give u a java program? can u write code in java on a paper????

me: yes sir sure, with pleasure...

he: ooooh with pleasure...ok...write for airthemetic progression

me: wrote the prog and explained him all the classes, member, reference variables and object creation and explained the

program 2 him....he was some what flattered...

he: ok,, y CTS?

me: prepared and answered (boost it)

he: what can i expect your rank in the class?

me: i said around 9th or 10th sir...

he: y not first?

me : sir, actually i used 2 Be, but due 2 my participation in csi, ieee, and worked as an organizer for some events in fest i

couldn't sir,, and i am the class representative i said though i am not (((just BOOOST yourself))))))

he: ok any question ???

me: i asked him some question about training prog....and in the mean while time till

calling date is der any thing required 2 prepare for the company in advance....

he: replied

Just Be confident don't loose it....

These people are just seeing that how come u r interacting with good English and doooo it without tense.....

OK b COOL THEN,,, ALL THE BEST GUYS N GALS

### **CTS PAPER ON 18TH JUNE, 2008**

Hi friends, I'm Manilal final yr MCA from College of Engineering, Anna University..  
Am here to share a bit of cognizant selection process.....CTS came to Anna University on 18th June 2008 as a very first company for campus recruitment...First we had a nice ppt. Then on the same day we faced written test of which 2400 students were participated and 2199 cleared the written test.....In written it comprises of

Analytical Section:

Cubes related questions are very important and also very easy this time like painting it with three different colors...

Venn diagram questions also quite easy...

Data sufficiency which comes through practice..

Verbal Section:

Find out the incorrect sentence

Find out the correct sentence

Passages

You need to have a very good vocabulary for the verbal section .

Logical Section:

This was the most easiest of all.

You can definitely score in this section

Find the odd man out

Analogy of figures (Simple)

then questions from deductions or syllogism....

Its all Quite Easy!!!!!!

Written results were announced on that same day and panels were allotted for next day's interview session..

On the second day of the selection process, It was a little bit nervous and interesting to be a third member of my panel...Here comes in Interview.....

Me:-) Excuse me Sir. May I Come in.....

Interviewer:-) Yes Manilal. Take your seat (with a gentle smile).

Me:-) Thank u sir.

Interviewer:-) May I have a look at your resume Manilal.

Me:-) Please sir.. (Given my resume)

Interviewer:-)Tell me about yourself.

Me:-) Told confidently.

Interviewer:-)Tell me more about your UG project. (He asked me when i was describing about my project title in tell me about yourself and my UG is in Physics)

Me:-)I explained briefly about my project

Interviewer:-)What are the various applications of RF Transmitter

Me:-)Told somewhat.

Interviewer:-)What is Thermistor?

Me:-)Told as it is a heat sensing device..

Interviewer:-)Applications of Thermistor??

Me:-)Described some applications..

Interviewer:-)Can u Draw one Circuit for a application using Thermistor?

Me:-)Drew it..

Interviewer:-)How do u convert AC to DC? Can u Draw the circuit.

Me:-)I explained the logic and tried to draw.....

Interviewer:-)Do u know diode, resistor and all??

Me:-)yes sir..

Interviewer:-)What have you learned in Solid State Physics??

Me:-)Told about crystals..

Interviewer:-)What's Decision Theory?? How do u make a Decision??

Me:-)Told about PERT and CPM charts.....

Interviewer:-)Do u like programming in c++?

Me:-)yes sir..

Interviewer:-)Can u write one program which best describes polymorphism in real world?

Me:-)Started writing it..

Interviewer:-)Expected question. Right?? (with a smile)

Me:-)Obviously sir...(with a big smile)

Interviewer:-)What is Global variable? What is the use of it...

Me:-)Told.

Interviewer:-)Other than this field in which areas do u have interest?

Me:-) Sir... Photography....

Interviewer:-)Do u have interest on current affairs?? Are you going through News Papers Regularly??

Me:-)A little bit sir..

Interviewer:-)What is iPhone?

Me:-)Sir... iPod? ...

Interviewer:-)No.. iPhone???

Me:-)Sorry sir..

Interviewer:-)okay... Why CTS?

Me:-)Told. (Enjoyed a lot while telling this as I guessed I placed in CTS)

Interviewer:-)Where can I find you after 5 years..

Me:-)Told...

Interviewer:-)okay Manilal. Any questions for me?

Me:-)Sir.. I'm having still one year in Anna University. In which areas i should get improved in this one year to fit into CTS...

Interviewer:-) (Gave me a brief advice on current affairs and how i should get improved in a very gentle manner).. That's all??

Me:-)Yes sir.... Thank you sir....

Friends... My interview has gone very cool as like I was talking with my friend... My interviewer was very cool and friendly and helped me to think.... My kind suggestion is whether your answer is right or wrong you have to deliver it with good confidence.... They will surely help us to communicate with them...Finally On the third day.. That's on 20th June 2008 CTS declared their results....1103 out of 2199 were selected from Anna

University.. 28 of my classmates were selected.. And I am one among them..... Passion Makes the Life Difference !!!

All the best friends..... I greatly thankful to Freshers world which helped me a lot for interview preparation.....

CTS PAPER ON 3rd APRIL 2008

Hi Guys!!! This is Haritha from 6th sem ISE from Bangalore.. CTS came to our college on 3rd of April but the preplacement talk was on 31st of March..

The selection process was for 2 days i'e 3rd n 4th..  
v had apti round on 3rd n  
HR+TECH round on 4th

I didn attend apti since i was one among top ten, but, ve few impt topics to share with u all...

there was not much of apti questions it seems,.. but it was totally regarding english comprehension like correct the given sentences, syllogism, visual reasoning i'e find the odd one out from the given set of figures n odd one out from the given numbers.. arranging the sentences in proper sequence..

My friends told me that the verbal n non verbal resoning of RS Agarwal n Few's books which stress on english r sufficient...

HR guys r cool!! It went on this way.. As soon as i Entered there was a big smile on his face as a result even i had smile from beginning..

ME: may i come in sir?

HR: Yes, please!!

ME: Good Morning Sir

HR: Good Morning! (PAUSE) Take ur seat!!

ME :Thank u sir!

HR: So, u r haritha?

ME: Yes Sir.

HR: Can u tell me abt urself?

ME: I had prepared for it n answered it n just try to cover all the topics wat all has been included in ur resume!!

HR: which is ur favourite sub?

ME: Datastructures..

HR: yes? Hardly people say they like it n are u comfortable with it!!! can u tell me other subjects u had in previous semesters??

ME: Answered it!!

HR: asked me to explain the quick sort

ME: I did it.. and was also asked to write the algorithm so i did it..

HR: Which is the efficient algo for sorting?

ME: aswered it!!

HR: wat all topics do u know in data structures?

ME: Answered!!

HR: R u comfortable with Doubly linked lists??

ME: Yes sir.

HR: Can u explain me any one function on DLL?

ME: I explained him abt inserting at the rear end n insering at front end!! and was asked to write the algorithm n i did it!! i was sure that the algo which i had written was correct but he kept arguing that its wrong later it was correct!! (THANK GOD!!)

HR: why CTS? Wat r ur expectations from CTS?

ME: Answered it!!

HR: Any questions for me?

ME: Yes sir!! And asked him abt work culture in cts n wat kind of training does a fresher undergo? he answered it..

HR: GUD LUCK!!

ME: THANK U SIR!!!

LISTEN TO PPT PROPERLY!! U GET MORE INFORMATION FROM IT ABT CTS!!  
it was actualllly useful for me to answer y CTS? n expectations from CTS?

Prepare for basics in C++, microprocessor, Diff b/w c c++ java?(even if u ve not mentioned it in ur resume but had it in cirriculum) Diff b/w struct n union, assembler n interpretor?few recursive programs like fibonacci, factorial, printing prime nos, reverse of a string n number these r few diff topics on which my friends were asked.. Just go thro the current topics that is going on around atleast from 15 days..

Later at 10 pm results were out and i got placed in CTS!!!

ALL THE BEST!! GUYS GIVE UR BEST!!!!!!

Thank you,  
Haritha

### **CTS PAPER ON 7th FEBRUARY 2008 AT AURANGHABAD**

Today CTS visited our college for an in-campus interview. The selection procedure consisted of an aptitude test followed by a personal interview. 350-400 candidates appeared for the aptitude. 90 were shortlisted for the personal interview and 40 were finally selected. Fortunately, I was one of the 40.

Aptitude consisted of three sections:

A] Maths:

questions like \$ stands for 1 and \* stands for 0, venn diagrams and "Eight people on a table, A to the left of F, C not diagonally opposite H....." were asked.

B] Analyze to determine:

logical reasoning questions

C] English

two very lengthy passages (i dint even get time to read those), questions like identify correct, incorrect sentences from the following choices and arrange the given options to form a correct sentence were asked.

Personal Interview:

It may be full n full HR, full n full Technical or Both, depends on ur luck. Mine was full on technical.

He: How r u?

Me: i'm fine.

He: Tell me something bout urself.

I told.

He: Done with HTML? (seeing my resume).

Me: Yes.

then he asked me the following:

>What are Meta tags?

(Then he went into Data Structures)

>Gave me an expression n told me to create a tree.

>Asked a lot about "Singly link list" program.

>What are virtual functions?

>What is an abstract class?

and finally (to my relief)

>Explain Stack

I answered all but not completely. He just wanted to know wheather i atleast know some basic stuff about those questions.

Finally,

He: Do u want to ask me someting?

Me: Yes (but obviously)

I asked something n he answered it. I did not get what he answered, but who cares.

Finally after a wait of about >3 hrs, the list of selectees were announced.

My suggestion is dat once u crack d apti, "BE COOL" for the interview. Just stay calm n cool n u'll get through the PI too. Gud luck. See u at CTS soon.

## CTS TEST PAPERS

CTS Interview Question.

My interview lasted about 1 hour.they gave me a yellow form.in that form they asked about my skill set.I mentioned "C,C++,OS,Datastructures,Computernetworks".one cool guy interviewed me.He asked questions in all main subjects.but he asked only basics in all subjects.the questions are

C

Basic datatypes,how many bytes for each datatype

bytes for various datatypes in Ansi C, borland C.

Diff between Calloc and malloc.

diff between structures and union.

call by value, call by reference

Gave some code snippets in pointers and asked outputs.

gave one code snippet and asked to optimize it.

C++

OOPS concepts

Inheritance concepts.

Access specifiers particularly about Protected access specifier

friend functions.

about constructors

virtual constructor.

can we have more than one constructor.

how can we call diff constructors.

About destructors

memory leaking.

OS

what is OS?

memory mangement concepts.

Virtual memory concpets.

in virtual memory paging concepts.

Mutual exclusion concept.

Semaphore concepts

Data structures

What is linear & non-linear data structures.

Asked about linked list basics(no programs)

About stacks and queues.

various sorting algorithms

asked to explain quick sort with an example.

asked to explain binary search algorithm with example.

Software engineering

various process models.

asked to explain the waterfall model

various testing methods.

Computer networks

OSI layer.

Asked about presentation layer

various topologies.

asked to explain about the ring topology

asked about the hardware address.

ARP

DBMS

difference b/w DBMS and RDBMS

asked about the keys



particular about the foreign key.

asked an example for Where and having clause query.

HR

tell about CTS

I am ME graduate.so why you studied ME

are you ready to work in mainframe

Are you willing to relocate.

Campus Recruitment REC Trichy

1. Functions(in all engineering students group u can get hint of these qts)
2. Based on dominoes.6 Dominoes were given & target was given we had to find the correct position of a

specific domino form the 4 options so that we can reach the target 8 problems were based on this 3.strings

- 3 Rules were given 8 qts were asked based on those rules. we had to find whether the string given was valid

or not based on those rules.there were 3 symbols g,o,d .in the lang & x y were strings of Gs with atleast 1 g

4. Based on coding of alphabets(simple) practice rs aggarwal reasoning for this
5. English anagrams eg d\_a\_b\_l\_c diabolic-devilish a word incomplete was given & its meaning was given

in the choices quixotic-utopian persuade-convince deprecate-degenerate cognition-knowledge

quotidian-everyday 2 more don't get confused with words learn them properly

6. (a,b,c)- L(a) is if u delete 1st element from it whatever is left. (a,b,c)-L(b) is 1st element of the list.

if (a,b) & a r two lists then M(l1,l2) is ((a,b),a).

$X(a,l)=a=L(a)=M(a,l)$

$y(a,l)=l=L(b)=M(l,a)$

based on this they gave 4 questions,most of the answers were b.there is negative marking of .25.

7. If abacbb corresponds to bbcaba & acbbca corresponds to acbbca then baabcb corresponds to what.

ans-bcbaab.

what they did in each question was either rotated the full word clockwise by 1 .like if abcbac corresponds

to bcbaca & acbacb corresponds to cbacba then abcabc corresponds to what.

ans-bcabca.

8. Then one question was on six block borders were given.

1 2 2 3 3 1

1 2 3 2 1 3

this was given in six different column blocks.ques. was

if 1 2 3 2

2 3 2 1

1 3 2 3

3 2 1 2

then 1 2 - -

- - - -

- - - -

- - - -

corresponds to which of the block.four options were given.all these things were in square blocks.

like this 10 questions were given.

9. p--s--d- corresponds to what

1.utopian 2.convince 3.pervade 4.

ans- convince.-persuade.one was perverse.decadent(not sure)

10 S = (a,b,(c),(d))

T =(a,c,(d))

F(s) = Only the first element

= (a)

G(s) = excluding the first element

=(b,(c),(d))

H(s,t) = All element of S & T.

=(a,b,(c),(d),a,c,(d)) =S



13. Unscramble the given words and find the first and last letter

- I. geometry
- II. equation
- III. algebra
- IV. humtrete.( Ambiguous)---Meaning theorem
- V. arithmaic
- VI. trigonometry
- VII. mathemaics
- VIII. mathematics

( I am also confused regarding this question)

14 Somre Graphical interpretation, Seven figure are given on each but in which 4 are of one type and three are

of another type find the sequence of he 3 figures

HINTS= >>. The triangles are pointing to corner or mid of the side

# case are obtained by rotating in one direction etc.....

CTS PAPER IN N.I.T. JAMSHEDPUR

Booklet color: pink

Product of prime number between 1 and 20.9699690

Number of terms between 1 and 999 not divisible by 8 or 12. 831

There are number of houses on both sides of a road. On one side houses are numbered in increasing order (1, 2, 3...). On other sides houses are numbered in down order. It house number 10, opposite house is house no.23. Find no of houses (Even number of houses are provided). 32

What is the area of the shaded region? Ans:  $3 \times x \times X (1 - (\pi/4))$ .

An apple seller is having some apples. He is selling half of the apple what he has plus half the apple to the first customer. In the same way he sells the remaining apple to 7 customers. After selling to 7 customers, he has no apples with him. Ans. 127

In the combinations of 2,3,6,7 how many possible combinations divisible by 4? Ans. 8

If  $x > y$  &  $n > m$  which of the following data is false.  $x - m < y - n$

There are no of urns & no of balls. If three balls are placed in each urn then 3 balls is left. If 4 balls are placed in each urn then 1 urn is left. What is the total no of balls? 7,24 Ans. None of these.

There are 1997 doors in the courts. 1997 people came out from each door. One door is closed. That many people came out from each door. This continues till a single person come out of the single open door. Find the no of people inside the court? 2656...

10 There are four teams A, B, C, D playing game. If any one team loses, it will play twice the money to all

other teams. They play 3 games. B, C, D loses one game each in the order. Finally A & B has Rs. 40

each & C has Rs. 80 & D has Rs. 16.

11 Which team has started with minimum money? i) A ii) B iii) C iv) D ans. A (5)

12 Which team has started with maximum money? i) A ii) B iii) C iv) D Ans. ii) B (93)

13 Two trains are traveling in 60 kmph on same trace, towards each other. When the distance between them is

18 km, a fly is going to start, flying between them in 80 kmph speed. Find the traveling path distance of the

fly up to when it is going to crush by the 2 trains? Ans. 12 km

14 A batsman outs for 23 runs in one inning which increases his average 15 to 16. If he has to get 18 as

average, what score is to make by him in the same innings? Ans. 39

15 There are 4 numbers as 5,8,2,1 Form 4, four digit numbers as A, B and find the sum? Sum 106656

16 A,B,C,D,E,F,G,H,I are all of squares which are combined in a square. Area of B is 81 cm<sup>2</sup>. Side of A is 1

cm. Then find area of 'I'? Ans. 324 cm<sup>2</sup>.

17 Death rate in a village (drought ridden) decreases. Naidu Govt claims it free health camps. This goes in valid

when: Ans. i. Two water supply tanks were built supplying clean water.

18 In 1996, income after tax deduction of upper classes increases by 3% than in 1995.

1) No of upper class population increas

2) ,, ,, decreases

19. A man gets  $x/y$  of Rs.10 &  $y/x$  of Rs.10. He gives out Rs. 20.

i) He loses always ii) May or may not lose iii) Cannot always lose.

20 Petrol prices increased by 40% expected hike in taxi & auto charges so, people may use public transport

systems. What do you infer? All people use a bus paid equally. 40 seats in the bus. Bus charge is Rs. 70.37

How many seats we left unfilled. 31

21 4 men can cross a bridge in 3,7,13, 17 minutes. Only two can cross the bridge at a time. The time taken by

the two to cross the bridge is equal to the time taken by the slowest person of the two. Find the minimum

time to all of them cross the bridge 24.

22 1000 doors

I man open all

II man 2 multiples close

III man 3 multiples open

IV man 4 multiples close

How many doors are open?583

23 I was married 10 years before my wife was sixth member of my family and now I have a baby and today

father died and the average age of my family was same as it was 10 years before. Find my father's age when

I was married. Ans. 60

24 Square side 7 cm Find the area 4 equal circles of the circle lying drawn at the

\_\_\_\_\_

25 It takes five minutes to pass a rumour from one person to two other persons. The tree of rumour continues.

Find how many minutes does it take spread the rumour to 768 persons. 47.5m

26 There are 9 coins. One of 9 is less weighted and others have equal weighted. Find the minimum no of balances

to find the defective coin? Ans. 2

27 2500 km distance between Mumbai & Calcutta, Calculate the average speed. 1) from Mumbai to calculate 25

hrs 2) speed during the return journey was 150 km/hr. 3) speed during the forward journey is 100 km/hr. a) if

it can be answered using each of the given above . Mark b) if it can be answered using two of them. Mark c) If

it can be answered using none of them. Mark d) if none of them is required to answer. Ans. (b)

28 Three birds cross a point at the same instant with equal speed. Two of the birds fly exactly in opposite

direction. After they cross the point at any instant of time the three birds are joined by straight lines to form a

triangle. The nature of the triangle is

i) Isosceles ii) equilateral iii) Right angled iv) Right-angled isosceles

29 Three birds cross a point at the same instant with equal speed. Two of the birds fly exactly in opposite

direction. After they cross the point at any instant of time the three birds are joined by straight lines to form a

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- i) Isosceles    ii) equilateral    iii) Right angled    iv) Right-angled isosceles

30 There are two parallel streets in North-South direction. A lives in street 1, B lives in street 2, A goes 10 km

north and B goes south 8 km to meet the east – west road. A moves 4 km east and B moves 6 km west to

meet each other. Find distance between houses owned by A & B. Ans:20

31 A question on eco system.(Inference: Food energy in the eco system depends on the type of population.)

### CTS Sample Paper #3

#### Analogies

1. slur : speech :: smudge : ?

Ans: writing

2. epaulet : shoulder :: ring : ?

Ans: finger

3. vernacular : place :: fingerprint : ?

Ans: identical

#### Opposites

1. corpulent

Ans: emaciated

2. officious

Ans: pragmate

3. dextrous

Ans: clumsy

The following sentences are broken into 4 sections- A, B, C, D Choose the part that has a mistake Mark (E) if you

find no mistake.

1). a) Psychologists point out that                      b) there are human processes



- c) Which does not involve                      d) the use of words

Ans. (C) which does not involve (do)

- 2). a) jack ordered for      b) two plates of chicken      c) and a glass      d) of water

Ans. (A) jack ordered for

The following is a group of questions is based on a passage or a set of conditions for each question. Select the best answer choice given.

(i). If law forbids it if the object of agreement is the doing of an act, that is forbidden by law the agreement is void.

(ii). If it is of the nature that, it would defeat the provision of any law is the agreement is void. if the object of

agreement is such that thing got directly forbidden by law it would defeat the provision of statutory law.

(iii). If the object of agreement is fraudulent it is void.

(iv). An object of agreement is void if it involves or implies to the personal property of another.

(v). An object of agreement is void where the constant regards as ignored.

(vi). An object of agreement is void where the constant regard is as opposed to public policy.

1). An algorithm follows a six step process za, zb, zc, zd, ze, zf, it is governed by the following:

- (i) zd should follow ze                      (ii) the first may be za,zd or zf  
(iii) zb and zc have to be performed after zd      (iv) zc must be immediately after zb

2). If za is the first set zd must be

- a) 3rd      b) 5th      c) 2nd      d) 4th

3). If zb must follow za then za can be

- a) Third or fourth      b) first or second      c) can not be third      d) fourth or fifth      e) none

4). If ze is third term the number of different operations possible are...

The following questions are based on the given statements:

Ravi plants six separate saplings -- x, y, z, w, u, v in rows no 1 to 6, according to the following conditions:

- a) He must plant x before y and u... b) He must plant y and w... c) The third has to be z
- 5). Which of the following is acceptable  
a) xuywzv    b) xvzyuw    c) zuyxwv    d) zvxuwy    e) wyzuvx
- 6). Which of the following is true  
a) z before v    b) z before x    c) w before u    d) y before u    e) x before w
- 7). If he plants v first, then which can be planted second  
a) x    b) y    c) z    d) w    e) u
- 8). Which of the following describes a correct combination of sapling and row?  
a) x,3    b) y,6    c) z,1    d) w,2    e) u,6
- 9). If he plants b 6th which would be planted first and second  
a) x and w    b) x and y    c) y and x    d) w and z    e) w and u
- 10). If he plants w before u and after v he should plant w at  
a) First    b) second    c) fourth    d) fifth    e) sixth
- 11). At a certain moment a watch shows 2 min lag although it is running fast.If it showed a 3 min lag at that moment,  
but also gains by 1/2 min more a day than its current speed it would show the true time one day sooner  
than it usually does.How many minutes does the watch gain per day.  
a) 2    b) 5    c) 6    d) 4    e) 75
- 12). In 400m race A gives B a start of 7 sec and beats him by 24 sec.In another race A beats B by 10 sec. The  
speeds are in the ratio?

- a) 8:7      b) 7:6      c) 10:8      d) 6:8      e) 12:10

13).  $3x+4y=10$  and  $x^3 + y^3=6$ ... what is the minimum value of  $3x+11y = ?$

14). There are 600 tennis players. 4% wear wristband on one wrist. Of the remaining, 25% wear wristbands on

both hands. How many players don't wear a wristband? Ans. 432

15). Three types of tea a, b, c costs Rs. 95/kg, 100/kg and 70/kg respectively. How many kgs of each should be

blended to produce 100 kg of mixture worth Rs.90/kg, given that the quantities of a and c are equal?

- a) 70,15,15      b) 50,25,25      c) 60,20,20      d) 40,30,30

Ans. (b)

16). Two distinct no's are taken from 1,2,3,4...28 Find the probability that their sum is less than 13?

### Test paper

Depending on your interest area (Operating systems, networks, DBMS, software engineering) choose the questions given below and prepare for it. these are some CTS questions. asked in interview

[1] What are the current trends and areas of focus in IT.

[2] What is a Micro-Kernel architecture.

[3] Describe the memory management policies in Unix How is paging implemented? How page faults are handled?

[4] What is the CPU-scheduling policy in Unix? - Round robin scheduling with multilevel queues.

[5] Describe the Sliding window protocol. What is its advantage over stop-and-wait?

[6] Diff between compilers and interpreters. Some fundamentals about how to link code in different files.

### Personal

1. Tell us about yourself, your background.
2. What does your father do currently.
3. Your performance in schooling, B.E.

4. Your points.
5. Aren't you going for higher studies abroad? Why?
6. What qualities do you have that make you a person suitable for going into the IT industry
7. What do your friends opine about you.
8. When do you think you will complete and be able to join.
9. How can you assure that you will join by that time.
10. Anything you want to know about us.
11. Significant achievements in life.( may be paper publications etc. )

more questions:

- Why paging is used ?
- Which is the best page replacement algo and Why ?
- What is software life cycle ?
- How much time is spent usually in each phases and why ?
- What is testing ?
- Which are the different types of testing ?
- Which are the different phases in Software life cycle (asked again)
- Why is analysis and testing phases very important ?
- Why networks are layered ? What is the advantage of that ?
- How many layers are there in OSI ? Why is it called OSI model ? network topologies ?
- Which are the different network topologies ?an example of bus type network.
- What is the Bandwidth of ethernet ?
- Explain the advantage and disadvantage of ethernet ?
- Which is the protocol used in ethernet. (CSMA/CD)Why is it called so ?
- What is the advantage of Ring network ?Compare it with ethernet.
- What is inheritance, encapsulation etc.If there are too many page faults what is the problem?To ensure one pgm.

doesn't corrupt other pgm. in a Multi-pgm. environment

What you should do? Which one you will use to implement critical section?

Binary Semaphore

Which one is not needed for Multi-pgm. environment?

options are: virtual memory,security,time sharing,none of the above.

Which one is not done by Data link layer ? bitstuffing, LRC,CRC,parity check

Which one is not related to Data link layer?

Which one is not suitable for client-server application? tcp/ip,message passing,rpc,none of the above.

Term sticky bit is related to a)kernel b)undeletable file c) d)none

semaphore variable is different from ordinary variable by ?

Where semaphore is used?

what is Test and set lock?

what is critical section and methods for mutual exclusion?  
what is internal fragmentation, external fragmentation, compaction?  
what is page fault? How the OS finds a page fault has really occurred? (protection bits: valid bit, invalid bit)  
producer-consumer problem, reader-writer problem

## ABOUT LINUX

If you say your favorite pass-time is chatting then you'll be asked how a "CHAT" application works.

if you say I "search" a lot in the web using Google you'll be asked how a search engine works (need not say in detail just say it briefly)

how internet works (for eg; when you type [www.Freshersworld.com](http://www.Freshersworld.com) what actually happens how the Freshersworld's page is loaded?)

Operator overloading, virtual functions (write programs)

1. like what is data model types of data model

2. what is RDBMS.

3. what is normalization, functional dependency, 1NF, 2NF, 3NF, BCNF.

4. what is oops.

5. what is the difference between C++ and C;

6. properties of oops.

7. inheritance, sequence diagram.

8. XML, ASP,

9. what is an operating system.

10. what is multitasking. what is timesharing.

11. what is memory management.

12. what is virtual paging.

13. about your syllabus.

13. what is microprocessor, about 8085 etc.

14. introduce yourself.

15. about your hobbies.

16. if not related to computer branch then some very small puzzle and

some technical question

related with the branch.

1 normalization

2 data model

a. record base

b. logical base

c. object base

3 what is a primary key

4 time complexity of different sorting algorithms

5 what is OS

6 semaphore

7 describe view mechanism

8 joining (outer, lossless!)

9functional dependency  
10ffd  
11ddl,dml,dcl  
12three tier structure  
13vertical ,horizontal projection  
14explain rdbms,ddbms  
15fixed format data model  
16name the technology used to connect a dbms to front end  
17how will u design a dbms  
what is data dictionary,dba,about normalization etc.  
why it is called relational.  
technical:  
What is o.s?  
what is a deadlock?  
what is a semaphore?  
difference between semaphore & monitor?  
what is sdlc(software development life cycle)?  
what is a linklist,stack,queue?  
write a program to reverse a linklist?  
what is dba?  
difference between primary,foreign,candidate&super key?  
different type of databases?  
what is normalisation?explain them?  
four division in cobol?  
significance of 01,77,88,66 level?  
function of compiler?  
difference between object file & exe file?  
difference between c &c++?  
difference between sql&c++?

CTS Pondicherry

SECTION I - 8 questions.Series.

1. Interchange of letters in a word and the adjacent letters are also to be changed. given letters series

like [also few conditions]

AAABBB=

ABABAB=

LET QUESTION IS ABBAAB

If we apply 25 on this it means we have to interchange the letters at positions 2 and 5, and we have

to change the adjacent letters 2 and 5 from A to B and B to A. That is q's A B B A A B after Step 1 i.e

interchange 2 and 5. now change adjacent elements of 2 and 5... finally answer becomes

Ans: B A A B B A

Hint: As per question papers 5 questions above like but numbers change.

REMAINING 3 QUESTIONS:

6. To get AAABBD from BBBAAB what to apply:-

a) 25 b) 34 c) 25 & 34 d) none

SECTION II

1. Given the function  $f(n \ a \ b \ c) = ac$  if  $n=1$

$$f(n \ a \ b \ c) = f(n-1 \ a \ b \ c) + f(1 \ a \ b \ c) + f(n-1 \ b \ a \ c)$$

if  $n > 1$

$f(2) = ?$

Ans:  $f(2 \ a \ b \ c) = ab + ac + bc$ .

2. similar question in functions.

3. [ based on function in 1.]  $f(4 \ a \ b \ c)$  the number of terms is...?

Ans:  $f(4 \ a \ b \ c) = f(3 \ a \ b \ c) + f(1 \ a \ b \ c) + f(3 \ b \ a \ c)$  etc.

$$= 5ab + 5ac + 5bc.$$

4.  $f(5 \ a \ b \ c) = ?$

### SECTION III

Permutations and Combinations.

8 questions.

1.  $r$  = number of flags;

$n$  = number of poles;

Any number of flags can be accommodated on any single pole.

i)  $r=5, n=5$  The no. of ways the flags can be arranged ?

ii) to iv) are based on this.

6.  $r=5, n=3$ . If first pole has 2 flags, third pole has 1 flag

how many ways the remaining can be arranged?

7. & 8. same as above.

### SECTION IV

Question consisting of figures consist of 4 small squares and every square having an arrow pointing in

one Direction. GRE test of reasoning.

hint: What is the next sequence if we tilt the figure by 90 degrees like that (clockwise and mirror

images ?).

### SECTION V

In this section first part of compound word is given. Select meaning of the second part from the

choice given:

1. Swan
2. Swans
3. Fool
4. Fools
5. Stare
6. Lady

For all above 4 choices are given.....

Eg. Swan

a) category b) music c) --- d) none

Ans: Swansong is compound word. But song is not given as option. so  
b) music is answer.

CTS Paper yellow Pattern

A starts from a place at 11.00 A.M. and travels at a speed of 4 kmph, B starts at 1.00 P.M. and travels with speeds of 1 kmph for 1 hour, 2 kmph for the next 1 hour, 3 kmph for the next 1 hour and so on. At what time will B catch up with A?

- a) 9.24    b) 9.32    c) 9.48    d) none

The average temperature of Monday to Wednesday was 37C and of Tuesday to Thursday was 34C. If the temperature on Thursday was  $\frac{4}{5}$  th of that of Monday, the temperature on Thursday was

- a) 36.5C    b) 36C    c) 35.5C    d) 34C

Swetha and Chaitanya went to a bookshop. Swetha purchased 5 pens, 3 note books and 9 pencils and used up all her money. Chaitanya purchased 6 pens, 6 note books and 18 pencils and paid 50% more than what Swetha paid. What % of Swethas money was spent on pens?

- a) 12.5    b) 62.5    c) 75    d) cant be determined.

Directions for Questions 4,5,6. Alex, Bond, Calvin and Dorna collected coins of different countries.

- a. They collected 100 altogether    b. None collected less than 10  
c. Each collected an even no.    d. Each collected a different no.

Based on the above, we can say that the no. of coins collected by the boy who collected the most could not have exceeded



- a) 54    b) 64    c) 58    d) 60

If Alex collected 54 coins, we can say (on the basis of information obtained so far) that difference in nos. collected by the boy who collected the most and the boy who collected the 2nd most should be at least

- a) 30    b) 34    c) 26    d) 12

Alex collected 54 coins. If Calvin collected 2 more than double the no. collected by Dorna, the no. collected by Calvin was

- a) 10%    b) 30%    c) 22%    d) 26 %

How many nos. are there between 100 and 200 both inclusive and divisible by 2 or 3?

- a) 67    b) 68    c) 84    d) 100

Find the greatest no. that will divide 964,1238 and 1400 leaving remainder of 41,31 and 51 resp.

- a) 58    b) 64    c) 69    d) 71

If all 6's get inverted and become 9's , by how much will the sum of all nos. between 1 and 100 both inclusive change?

- a) 300    b) 330    c) 333    d) none of these

If all the picture cards are removed from a pack of cards, the sum of the values of the remaining is

- a) 55    b) 220    c) 54    d) 216

What is the min. no. of weighing operations required to measure 31 kg of rice if only one stone of 1 kg is available?

- a) 31    b) 6    c) 5    d) 16

The ratio of the no. of white balls in a bag to that of black balls is 1:2. If 9 grey balls are added the ratio of nos. of white, black and grey become 2:4:3. How many black balls were in the bag?

- a) 6    b) 9    c) 12    d) 8

There are 2 toy cars facing each other at a distance of 500 cm from each other. Each car moves forward by 100 cm at a speed of 50 cm/s and then moves backward by 50 cm at a speed of 25 cm/s. How long will it take for the cars to collide?

- a) 12s    b) 14s    c) 16s    d) 13s

It takes 8, 12 and 16 days for A,B and C resp. to complete a task. How many days will it take if A works on the job for 2 days then B works on it until 25% of the job is left for C to do, and C completes the work?

- a) 10 days    b) 14 days    c) 13 days    d) 12 days

A and B run in opposite directions from a pt. P on a circle with different but constant speeds. A runs in clockwise direction. They meet for the first time at a distance of 900 m in clockwise direction from P and for the second time at a distance of 800 m in anticlockwise direction from P. If B is yet to complete one round, the circumference of the circle is

- a) 1700m    b) 1250m    c) 1300m    d) 1200m

Bird A starts flying from P to Q at 9.00 A.M. and bird B starts flying from Q to P at 10.00 A.M. B is 50% faster than A. What is the time at which they meet if P and Q are 300kms apart and A's speed is 50kmph.

- a) 12 noon    b) 12.30pm    c) 11.30am    d) 11.00am

There are 6 cities, of which each is connected to every other city. How many different routes can one trace from A to B, such that no city is touched more than once in any one route

- a) 48    b) 60    c) 65    d) 72

In a group of 80 coins, exactly one is counterfeit and weighs less than the others. U are provided a scale to weigh to coins. The min. no. of weightings req. to determine the counterfeit coin is

- a) 4    b) 1    c) 5    d) none of these

Directions for questions 19 to 23

Mark a if the ans. Can be obtained using 1 and 2 independently

Mark b if the ans. Can be obtained by using only one of the two statements.

Mark c if the ans. Can be obtained by using both statements 1 and 2 but not either of them alone.

Mark d if the ans. Cannot be obtained by using 1 and 2

What is the selling price of product X

Profit as a % sales is 10%, cost price is Rs.27

Profit as % sales is 20%, cost price is Rs.20

Find the perimeter of the rear wheel of a cart

1. When the cart moves 5m, the rear wheel moves R rotations less than the front wheel.

The radius of the rear wheel is 3 times that of front wheel.

21. Is  $a-b+c > a+b-c$ . a,b,c are integers.

1. b is negative

2. c is positive

22. What is the distance from mumbai to Nagpur?

1. Driving at 90kmph I reach nagpur 1 hr earlier than if I were to drive at 80kmph.

2. Driving at 100kmph I covered 40% of the distance in 7 hrs.

23. What is the age of father and the son?

1. The ratio of their ages is 5:3 now and will be 3:2 in 10 years.

2. The sum of their ages now is 80, and 5 years ago the ratio was 9:5.

24. A cube of 12cm sides is painted red on each side. It is cut into cubes of 3cm side each. How many of

the smaller cubes do not have any side painted red?

a) 8    b) 12    c) 16    d) 0

Directions for questions 25 to 28. Kamal Babu came home just after judging a beauty contest where there were four semi-finalists: Ms.Uttar Pradesh, Ms.Maharashtra, Ms.Andhra Pradesh and Ms.West Bengal. His wife was very keen on knowing who the winner was and kamal Babu replied immediately that it was the one wearing the yellow saree. When his wife asked for more details, he gave the following information:

The four girls were wearing saris of different colors (yellow, red, green, white) and the runner-up was wearing green.

The four girls were sitting in a row, and Ms.West Bengal was not sitting at either end. There was only one runner-up and she was sitting next to Ms.Maharashtra. The girls wearing yellow and white saris occupied the seats at either end.

Ms. West Bengal was neither the winner nor the runner-up. Ms. Maharashtra was wearing white. The winner and the runner-up were not sitting next to each other. The girl wearing the green sari was not Ms. Andhra Pradesh.

Answer the following questions based on the above information.

CTS PAPERS PAPER RED COLOR

1. Numbers between 1 to 100 divisible by 2 or 3. (Ans: 67)
2. Sum of the numbers from 1 to 100 if the digit 6 is replaced by 9 in those numbers (Ans: 5380)
3. You have a one Kg weight with you. In how many ways can a 31 Kg rice bag be weighed? (Ans: 5)
4. Priya bought 6 pens, 7 notebooks, and 8 pencils and she had spent all the money she had for that. Rama bought 13 pens, 12 notebooks and 9 pencils and Rama had 50% of money more than what Priya had. How much % more does Rama spend than Priya?  
Rama spends more than Priya?
5. This is an analytical question. There are four numbers a, b, c and d. Conditions:  $a+b+c+d=100$ ,  $a, b, c, d \geq 10$ . All are even numbers. Each number is different from the other. What is the maximum possible value for a? (four choices given) (Ans: 64)
6. If  $a=54$  then what is the difference between the biggest (54) and the second biggest number?
7. If  $a=54$ ;  $c=2+2d$  then  $c=?$
8. What is the selling price of x? if the profit % = 5% , and the cost price = 100 (Ans: 105)
9. Similar question to the above one.

10. Calculate the ages of a son and his father if their present ages are in the ratio 1:2 and before 10 years the ratio

was 3:4 (-5 and -10) (wrong q)

11. Same type as the previous one. Sum of their present ages is 80, before 5 years their ages were in the ratio 3:4.

(some more questions were from this category) (Ans: 35 and 45)

12. Two cars start from terminals A and B and travel towards B and A respectively. The distance between A and B

is 500 meters. The cars move forward with a speed of 50 m/s and they move backwards with a speed of 25

m/s. For every 100 cms movement of the cars in the forward direction they should move backwards by 50 cms.

What is the time taken for the cars to collide or meet? (Ans: 20s)

13. In a pack of 52 cards if Ace, Jack, queen and king is removed (from all the four sets), what is the sum of the

remaining cards? (Ans: 216)

14. An Analytical question from Barron's, having the keywords such as 18th century, 19th century and 20th century

in the question

15. The diameter of the circle is 4cm. The area of the shaded portion is 1/3rd area of the square. Find the sides of

the square (Ans:  $\sqrt{12/\pi}$ )

Four girls participate in the Miss India competition. Each was wearing saree of different colour. They were made to sit in a row. The winner was wearing a yellow saree. The runner up was not in the corners. Ms. AP was next to Ms. West Bengal. Ms. West Bengal is neither the winner nor the runner. Ms. Maharashtra was wearing a green saree. Ms. UP was the runner up. Both winner and the runner are not adjacent and have a person between them. Who was wearing a Red saree? (Ans: Miss WB) Who was the winner? (Ans: Ms. AP) And one more question of the same order.

Plz frame the order. All analytical are very simple. Mostly paragraphs are given and the question will be what you infer from this type. Only one question from each paragraph. XX) What is the number that divides (3 nos), leaving the remainders (3 nos). sums of this type are in RS. A plz refer.

16. In 400m race A gives B a start of 7 sec & beats him by 24m. In another race A beats B by 10 sec. the speeds are

a) 8,7 b) 7,6 c) 12,10 d) 10,8

17. A is thrice as good a workman as B and takes 10 days less to do a piece of work than B takes. B alone can

do the same work in: a) 12 days b) 15 c) 20 d) 30  
Ans available in Agarwal: pp 261 (13)

18. Again from Agarwal: the mean temperature of Monday to Wednesday was 37deg. The mean temperature of

Tuesday to Thursday was 34 deg. If the temperature on Thursday was  $\frac{4}{5}$  of Monday, what is the temperature

on Thursday? Ans: 36. pp=104 (47) in RS. Agarwal

19 A travels at 4 kmph. Two hours after the start of A, B travels at a speed of 1 kmph for the first one hour, 2

kmph for the next one hour and so on. At what time will they meet? Ans: 9 hours and 48 mts.

20. Given 80 coins with one defective. What is the minimum number of weightings that you will take to determine

the defective(less weight) coin? (Ans: 5)

CTS -REC(TRICHY)

Find the sequence:( d is always NONE )

1. BC CE EG GK ?  
a)KN b)KU c)KM d)
2. AA AB BC CE?  
a)EG b)EH c)EI d)
3. AB EF JK QR ?  
a)YZ b)ZA c)AB d)
- 4.ACD EGL IKT MOB?  
a)QST b)QSZ c)QSY d)
- 5.AC CG GO OE?  
a)EJ b)EI c)EL d)
- 6.AE BH CM DU?  
a)EH b)EZ c) EB d)
7. AD DP PL LV  
a)VS b)VK c)VI d)
8. SE QU EN TI?  
a)CN b)BM c)AI or AZ d)

SECTION-II: FIND THE VALUES FOR FOLLOWING PROBLEM:

$$F(X) = 2X - 1 + f(X-1) \text{ if } X \text{ NOT EQUAL TO ZERO if } f(X=0)=0$$

9. f(5) VALUE

- a)15 b)24 c)22 d)NONE

10.f(f(2))

11.f(16)- f(15)

12.f(16)+f(15)-480

13.f(f(x))=81 THEN VALUE OF X=

14.f(X)=4f(X-1) THEN VALUE OF X=

15.f(X)= f(X-1)+f(X-2) FOR X>1 THEN X=

16.f(X)-f(X-1)=f(X-8) FOR X>5 THEN X=

SECTION -III:

In the following questions we are giving 'a word' which may not have any meaning. Find different possible

words or palindromes for the word as per question.

I. for the following find no of distinct words that can be formed.

17. TYGHHTT  
A).420 B)1540 C)840 D)NONE  
18. TYGHHTY  
19. TYGHHTT  
20. TYGHHTT  
21. TYGHASD  
22. TYGHHTY

II Find NO OF POSSIBLE PALANDRAMS for following

23. TYGHHTY  
24. TYHHHTYH.

/\*dEAR FRIENDS DON,T CONFUSE WITH THE WORDS REPEATED.Iam sure.Words are same.They might have changed the questionsfor20,21,22.Concentrate on that respect\*/

25 to 32 are figures.Uhave to analyse them.He will give five figs.One is not correct

SECTION IV:

It having complete of figs.(26 -32)

SECTION -V:

For following first find out the anagram and then note the corresponding meaning.

33.TABLET(anagram means first u arrange the letters in correct order like (TABLET===BATTLE . so ans is FIGHT i.e. B)

- 34.RUGGED  
35.GORE.  
36.STASSI.

For all above choices are.

A) resentment B)Fight c)Help d) Monster

37. ENFOLD  
38. LAMB  
39. RECEDE.  
40. PLEASE.

For above 4 choices are same

A)cuddle B)sleeping c)proclamination d)ointment

CTS Apti Question paper (Colour: Yellow)

1. If all the 6 are replaced by 9, then the algebraic sum of all the numbers from 1 to 100(both inclusive) varies by Ans: 330
2. The total no. of numbers that are divisible by 2 or 3 between 100 and 200(both inclusive) are Ans:67
3. From a pack of cards Jack, Queen, King & ace are removed. Then the algebraic sum of rest of the cards is Ans:216



4. The average temperature of days from Monday to Wednesday is 37 degree Celsius and that of from Tuesday to Thursday is 34 degrees. The temperature of Thursday is  $\frac{4}{5}$ th of Monday. Then the temperature of Thursday is Ans: 36 degrees
5. Swetha, Tina, Uma and Vidya are playing a gambling. In this different people lose in different games-in the reverse alphabetical order. The rule is that if one loses she should double the amount of others. At the end of 4th game each of them have same amount of money (Rs.32). Which one of them started with the least amount? (6) Which one of them started with the largest amount of money? (7.) At the end of the 2nd game what is the amount of money with uma? Ans: Vidya, Swetha, Rs.8
8. A cube of 12 mm is painted on all its side. If it is made up of small cubes of size 3mm. If the big cube is splitted into those small cubes, the number of cubes that remain unpainted is Ans: 8
9. B is 50% faster than A. If A starts at 9 A.M. and B starts at 10 A.M. A travels at a speed of 50 km/hr. If A and B are 300 kms apart, The time when they meet when they travel in opposite direction is Ans:12noon
10. A graph will be there. Inside the graph sheet there will be a Quadrilateral. We have to count the number of squares in the Quadrilateral.
11. You are having 31kg of rice. You are provided with a 1kg stone for weighing. In how many weights the 31kg of rice can be weighed. Ans: 5
12. A starts at 11:00AM and travels at a speed of 4km/hr. B starts at 1:00PM and travels at 1km/hr for the first 1hr and 2km/hr for the next hr and so on. At what time they will meet each other. Ans:
13. There are 80 coins, among them one coin weighs less compared to other. You are given a physical balance to weigh. In how many wieghings the odd coin can be found. Ans:
14. Dia of the circle 4cm. The shaded part is  $\frac{1}{3}$  of the square area. What is the side of the square. Ans: root of  $3\pi$
15. A,B,C, can do a work in 8,14,16 days respectively. A does the work for 2 days. B continues from it and finishes till 25% of the remaining work. C finishes the remaining work. How many days would have taken to complete the work Ans:
16. Raja went to a beauty contest .his wife was eager to know the result he told that the lady wear a yellow sari was winner. Miss. Andhra Pradesh Miss. Utter Pradesh, Miss. Maharashtra, Miss. West Bengal were the participants all the participants sat in a row. The conditions are (A) The woman wore yellow sari won the competition. (B) Miss. West Bengal was neither the runner-up or winner.(C) Miss. West Bengal was not at either ends.(D) Miss. Maharastra wore the white sari.(E) The women wore white sari and

yellow sari sat at extreme ends.(F) The runner-up and winner did not sit together. [This was the passage given and the questions were easy]

17. The ratio of white balls and black balls is 1:2. If 9 gray balls is added it becomes 2:4:3. Then what is number of black balls. Ans:12

18. There are 10 coins. 6 coins showing head. And 4 showing tail. Each coin was randomly flipped (not tossed) seven times successively. after flipping the coins are 5 heads 4 tails one is hidid the hidid coin will have what.

19. Two cars are 500 cm apart. each is moving forward for 100 cm at a velocity of 50 cm/s and receding back for 50 cm at 25 cm/s at what time they will collide with each other.

20. People near the sea shore are leading a healthy life as they eat fish. but people at other part of the city are also healthy. Inference.

21. It is found from research that if u r a drunken then u have a less chance for chronic heart diseases. Inference.

22.  $A-B+c > A+B-C$  i) B is +ve, ii) B is -ve when it will hold true.

23. i) C.P is Rs 120 and profit is 30%

ii) C.P is Rs 210 and profit is 20%

we can find the S.P by using

i)only ii)only both i & ii neither i&ii

24. How will u find distance between Nagpur and Mumbai I took one hour more when I travel at 80 km/hr than

at 90 km/hr.

25. 100 coins were collected by four persons each collected more than 10 each collected a different number

each was an even number find what is the max possible no of coins, two more questions based on the same

passage.

26. A car travels from B at a speed of 20 km/hr. The bus travel starts from A at a time of 6 A.M. There is a

bus for every half an hour interval. The car starts at 12 noon. Each bus travels at a speed of 25 km/hr.

Distance between A and B is 100 km. During its journey, The number of buses that the car encounters is

27. The ratio of the ages of the father and the son is 5:3, After 10 years it will be in the ratio 3:2. What will be their ages.

28. There was an Island. In that Island there was Rubys and Emeralds. Those were available in plenty. 0.3 kg of ruby is 4 lakhs and 0.4 kg of emeralds is 5 lakhs. Jayanth is buying 12 kg of Ruby and emerald. Choices will be given. Jayanth has to carry both ruby and emerald to the maximum profit.

29. Varun buys 8 books, 10 pens and 2 pencils and Babu buys 6 books, 5 pens and 5 pencils. Babu pays 50% more than Varun. What is the amount Varun spends in buying pencils.

30. Prakash and Revathi rent a fancy shop. Prakash imposes the following restrictions on Revathi for buying clips, stickers and lip sticks. The number of clips is twice the no. of stickers. The no. of lipsticks should be more than the sum of clips and stickers. Cost of clip is 1 rupee. Cost of lipstick is twice the clips. Cost of 1 lipstick is the cost of four stickers. Then What is the amount that Prakash spends for Revathi. Answer choices will be given.

#### Cognizant Technology Solutions (CTS)

The written tests are based on critical reasoning type questions. Word-based problems, verbal ability, pattern recognition and pattern matching, series type, arithmetic-based (including functions and permutations) are usually asked. This is only a sample paper. We are not providing you with all the questions - just some questions to give you a general idea of the test pattern.

#### SECTION-1

Find the next in the sequence:

1. BC CE EG GK ?

- a)KN
- b)KU
- c)KM
- d)None

2. AA AB BC CE?

- a)EG
- b)EH

- c)EI
- d)None

3. AB EF JK QR ?

- a)YZ
- b)ZA
- c)AB
- d)None

4.ACD EGL IKT MOB?

- a)QST
- b)QSZ
- c)QSY
- d)None

5.AC CG GO OE?

- a)EJ
- b)EI
- c)EL
- d)None

6.AE BH CM DU?

- a)EH
- b)EZ
- c)EB
- d)None

7. AD DP PL LV

- a)VS
- b)VK
- c)VI
- d)None

8. SE QU EN TI?

- a)CN
- b)BM
- c)AI or AZ
- d)None

SECTION-II:

Find the values for the following problem:

$f(X) = 2X - 1 + f(X - 1)$  if  $X$  is not equal to zero and  $f(0) = 0$

9. Value of  $f(5)$

- a)15

- b)24
- c)22
- d)None

10. Value of  $f(f(2))$
11. Value of  $f(16) - f(15)$
12. Value of  $f(16) + f(15) - 480$
13. If  $f(f(X)) = 81$  then the value of  $X = ?$
14. If  $f(X) = 4f(X-1)$  then the value of  $X = ?$
15. If  $f(X) = f(X-1) + f(X-2)$  for  $X > 1$  then  $X = ?$
16. If  $f(X) - f(X-1) = f(X-8)$  for  $X > 5$  then  $X = ?$

**SECTION -III:**

In the following questions a 'word' is given which may not have any meaning. Find different possible words

or palindromes for the word as per the question. For the following find no of distinct words that can be

formed.

17. TYGHHTT

- a).420
- b)1540
- c)840
- d)None

18. TYGHHTY

19. TYGHHTT

20. TYGHHTT

21. TYGHASD

22. TYGHHTY

Find the number of possible palindromes for following

23. TYGHHTY

24. TYHHHTYH.

SECTION-IV:

25 to 32 are based on the figures. You have to analyse them and find the odd one out.  
Five figures will be given out of which one is not correct.

Refer R.S Agarwal's book on Analytical Reasoning & TMHs Quantitative ability book by Edgar Thorpe.

SECTION -V:

For following first find out the anagram and then note the corresponding meaning.

33. TABLET

Hint: anagram means first u arrange the letters in correct order like  
TABLET===BATTLE . So ans is FIGHT

34. RUGGED

35. GORE.

36. STASSI.

For all above choices are.

- a) resentment
- b) fight
- c) help
- d) monster

37. ENFOLD

38. LAMB

39. RECEDE.

40. PLEASE

For all the above 4 choices are same

- a) cuddle
- b) sleeping
- c) proclamation

d) ointment

### Cognizant Technology Solutions (CTS)

The written tests are based on critical reasoning type questions. Word -based problems, verbal ability, pattern recognition and pattern matching, series type, arithmetic-based (including functions and permutations) are usually asked. This is only a sample paper. We are not providing you with all the questions - just some questions to give you a general idea of the test pattern.

#### SECTION I - 8 questions based on series.

1. These questions involve interchange of letters in a word at particular locations and also interchanging letters adjacent to those particular locations. Certain other conditions may also be given For eg. Let the word be ABBAABA

If we apply 25 on this, it means we have to interchange the letters at positions 2 and 5, also we have to change the letters adjacent to positions 2 and 5 i.e. from A to B and B to A. A B B A A B after Step 1 i.e interchange of 2 and 5 becomes AABABB Now change adjacent elements of 2 and 5...finally answer becomes

Ans: B A A B B A

Questions 1-5 are based on the pattern with changed numbers as described above

Questions 6-8 are of the following type

To get AAABBD from BBBAAA what number should be applied:-

- a) 25
- b) 34
- c) 25 & 34
- d) none

#### SECTION II

1. Given the following functions

$$(1) f(n a b c) = ac \text{ if } n=1$$

(2)  $f(n a b c) = f(n-1 a c b) + f(1 a b c) + f(n-1 b a c)$  if  $n > 1$  Then what is the value  $f(2 a b c) = ?$

Ans:  $f(2 a c b) = ab+ac+ bc$

2. Similar question on functions.

3. [ Based on the function in the first question] For the function  $f(4 a b c)$  the number of terms is...?

Hint  $f(4 a b c) = f(3 a c b) + f(1 a b c) + f(3 b a c)$  etc.

4. What is the value of the function  $f(5 a b c) = ?$

### SECTION III

Permutations and Combinations. 8 Questions.

1.  $r$  = number of flags;  $n$  = number of poles; Any number of flags can be accommodated on any single pole.

1)  $r=5, n=5$  The no. of ways the flags can be arranged ? Questions 2-5 are based on the above pattern

6.  $r = 5, n = 3$ . If first pole has 2 flags, third pole has 1 flag How many ways can the remaining be arranged?

Questions 7.& 8. are similar to Question 6.

### SECTION IV

Question consisting of figures - Pattern-matching type.

Refer R.S Agarwal's book on Analytical Reasoning & TMHs Quantitative ability book by Edgar Thorpe.

### SECTION V

In this section first part of compound word is given. Select meaning of the second part from the choice given:

1. Swan
2. Swans
3. Fool
4. Fools
5. Stare
6. Lady

For all above 4 choices are given....

- g. Swan ---> Swansong (compound word)  
a) category b) music c) television d) none

Ans: Swansong is compound word. But song is not given as an option. so (b) music is the answer

Analogies

1. slur : speech : : smudge : ?

Ans. writing

2. epaulet : shoulder : : ring : ?



Ans.finger

3. vernacular : place : : fingerprint : ?

Ans.identical

### Opposites

Q. corpulent

Ans: emaciated

Q. officious

Ans: pragmate

Q. dextrous

Ans: clumsy

The following sentences are broken into 4 sections-

A, B, C, D

Choose the part which has a mistake

Mark (E) if you find no mistake.

Q.A) psychologists point out that B) there are human processes C) which does not involve D) the use of words

Ans. (C) which does not involve (do)

Q.A)jack ordered for B)two plates of chicken C)and a glass D)of water

Ans. (A)jack ordered for

The following is a group of questions is based on a passage or a set of conditions for each question.

Select the best answer choice given.

(i). If it is forbidden by law if the object of agreement is the doing of an act, that is forbidden by law the agreement is

void.

(ii). If it is of the nature that,it would defeat the provision of any law is the agreement is void.if the object of agreement

is such that thing got directly forbidden by law it would defeat the provision of statutory law.

(iii). If the object of agreement is fraddulent it is void.

(iv). An object of agreement is void if it involves or implies to the personal property of another.

(v). An object of agreement is void where the constant regards as ignored.

(vi). An object of agreement is void where the constant regards is as opposed to public policy.

Q. An algorithm follows a six step process za,zb,zc,zd,ze,zf, it is governed by the following

- (i) zd should follow ze
- (ii) the first may be za,zd or zf
- (iii) zb and zc have to be performed after zd
- (iv) zc must be immediately after zb

Q. If za is the first set zd must be

- a) 3rd
- b) 5th
- c) 2nd
- d) 4th

Q. If zb must follow za then za can be

- a) third or fourth
- b) first or second
- c) can not be third
- d) fourth or fifth
- e) none

Q. If ze is third term the number of different operations possible are

The following questions are based on the given statements

Ravi plants six separate saplings -- x,y,z,w,u,v in rows no 1 to 6 ,according to the following conditions

He must plant x before y and u

He must plant y and w

The third has to be z

Q. Which of the following is acceptable

- a) xuywzv
- b) xvzyuw
- c) zuyxwv
- d) zvxuwy
- e) wyzuvx

Q. Which of the following is true

- a) z before v
- b) z before x
- c) w before u
- d) y before u
- e) x before w

Q. If he plants v first, then which can be planted second

- a) x
- b) y
- c) z
- d) w
- e) u

Q. Which of the following describes a correct combination of sapling and row?

- a) x,3
- b) y,6
- c) z,1
- d) w,2
- e) u,6

Q. If he plants b 6th which would be planted first and second

- a) x and w
- b) x and y
- c) y and x
- d) w and z
- e) w and u

Q. If he plants w before u and after v he should plant w at

- a) first
- b) second
- c) fourth
- d) fifth
- e) sixth

Q. At a certain moment a watch shows 2 min lag although it is running fast If it showed a 3 min lag at that moment, but

also gains by  $1/2$  min more a day than its current speed it would show the true time one day sooner than it usually

does.

How many mins does the watch gain per day.

- a).2
- b).5
- c).6
- d).4
- e).75

Q. In 400m race A gives B a start of 7 sec and beats him by 24 sec. In another race A beats B by 10 sec.the speeds

are in the ratio

- a)8:7
- b)7:6
- c)10:8
- d)6:8
- e)12:10

Q.  $3x+4y=10$   
 $x+3y=6$  What is the minimum value of  $3x+11y=?$

Q. There are 600 tennis players 4% wear wrist band on one wrist Of the remaining, 25% wear wrist bands on both

hands How many players don't wear a wrist band?

Ans. 432

Q. Three types of tea the a,b,c costs Rs. 95/kg,100/kg and70/kg respectively.How many kgs of each should be blended

to produce 100 kg of mixture worth Rs.90/kg, given that the quantities of band c are equal

- a)70,15,15
- b)50,25,25
- c)60,20,20
- d)40,30,30

Ans. (b)

Q. Two distinct no's are taken from 1,2,3,4.....28 .Find the probability that their sum is less than 13

CTS PAPER IN N.I.T. JAMSHEDPUR

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- 1 Diameter of circle is  $d$ , Find length of string. (Outer string that covers the circle)  
Ans:  $d(\pi + 3)$
- 2 Diamond's value is proportional to its weight<sup>2</sup> .When the diamond broke wts of pieces in ratio 1:2:3:4:5 Total loss in value is 85,000.What is the value of the diamond twice the wt of the original diamond.  
Ans: 45, 0000
- 3 Person X join a job at 20 yrs.First 3 years sal =10,000 p.a. Afterwards every year inc of 2,000 per year for 0 year. Then sal becomes const till retirement. At retirement avg sal is 25,000. (Thro'out career) what age he retires. 50 yrs
- 4 In an island there  $r$  tribal who speak lang of almost 4 words. Lang consists of 4 alphabets. How many words can be formed in that language? Ans 340
- 5 It was found that the cause for the malaria was the swamp marsh and so  $r$  swamps were drained  
Mosquito the real cause for malaria due to lack of breeding grounds (Swamps) also was wiped out. What does this illustrate? (Ans: (Possible) when many conditions form a result, eradication of one cause also eradicates the result)
- 6 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 can't type? (Ans: 4, 5, 6, 2, 3, 1)
- 7 A and B r fighting .B fires 3 times as many missiles as A. Total hits: total misses =  $1/7$  .B's misses 357.B's hits – A's hits = 66.A's hits ?
- 8 40 shots taken.50p for a hit.10p for a miss. (He have to give).Finally he has Rs.5.How many hits? Ans 15
- 9 Find avg of  $a, b, c, d, e$  .Given data: 1) avg of any 4 num =avg of any 3 num 2)  $(a+b)^2 = 36$   
Which of the abv are sufficient?
- 10 What is the difference in times btwn clk 1 & clk2.

- 1) Both show same time 6 hrs back 2) 1 clk gains 1 min an hr, clk2 gains 2 min an hour. Like abv.... 6min
- 11 A takes 9 strides to B's 7 strides. A stride = 1meter.B stride =1.2m B gets the start of 24m.What dist should A travel to overtake B? 360
- 12 Tortoise gets 100 m head start. Hare is 10 times faster as tort. What is the dist traveled by hare to catch up tort? Ans:1000/9
- 13 4 weights r weighed in pairs. Weights of pairs are determined as 103,105,106,106,107,109 what is the min wt? Ans 51
- 14 Constant cost = 300 And 1.75 / copy. How many copies should he sell at 7.75 /copy to make a profit?
- 15 Find the perimeter? ANs 28
- 16 20 members avg =10.5. 3 memb of 11.5,12.5,13.5 left and 3 memb of 10.5,12.5,14.5 joined along with a teacher of 21 yr.Now avg = ....Ans 11.
- 17 Find the area of shaded. Radius of circle = 1cm.....Arcs r drawn with center at circumference.
- 18 Find the area of the shaded portion?
- 19 Solid cube of  $6 * 6 * 6$ . This cube is cut into to 216 small cubes. ( $1 * 1 * 1$ ). The big cube is painted in all its faces. Then how many of cubes are painted at least 2 sides. (Ans56)  
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- 20 A Bacteria is doubling at every 4 min. After 40 min 1024 bact. Then 256 when>.....? Ans: 32 min
- 21 A bag contains 3 balls of 11 different colors each. Find the min no of chances to find at least 3 balls of same color ? Ans: 23
- 22 If  $x^2 < 4$  then  $100/x$  is....? Ans :  $100/x > 50$  &  $100/x < -50$ .
- 23 If  $[x]$  is the int less than x and  $|x|$  is the abs val of x.Then max of  $[x]/|x|$  is Ans d) none
- 24 A work in 12 days b in 15 days. Find the no of days if they work on alternate days. Ans  $13 \frac{1}{4}$
- 25 A, B, C r positive int.Out of them 2 r odd. Then  $5^2a + (b-5)^3 (c-3)^2 = ?$  Ans: always odd.

26 A square of side 5cm. If a square of side 10cm is hinged @ the center of the previous square. When they are rotated common area to both squares (Ans: Does not change)

- 27  $3p^2 + pq + 5q^2$  are even. If
- a) If p is odd, q is odd
  - b) If p is even, q is odd
  - c) If p is odd, q is even
  - d) At least one of p and q is odd.
- . Ans: 4) None of these

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28 A lady has to feed a dog for the one week from Monday to Sunday. She has food types M, N, O, P, Q, R, S. MNOP → protein enriched RS → vitamin enriched. Vitamin enriched cannot be fed on consecutive

days. Conditions given: M should be fed before S. M should be fed before Q. R should be fed before S.

Before N and Q there should be four types. Based on this 3 questions are asked. All are easy to answer...

29 A man bought at the cost of 5 plums a rupee and 2 oranges a rupee. He sells 10 plums and 6 oranges at the selling price of 4 plums a rupee and 3 oranges a rupee. What is his gain or loss? Ans: loss of 50p.

30 Out of 32 books the cost of 10 books is Rs. 50 each and he got a profit of 4%. He sells 15 books at a profit of 3.8461% on the selling price of Rs 70. The remaining cost is 576. The remaining books are sold at Rs 74. What is his total profit?

31 Two solutions have milk & water in the ratio 7:5 and 6:11. Find the proportion in which these two solutions should be mixed so that the resulting solution has 1 part milk and 2 parts water? a) 35:3 b) 21:36 c) not possible Ans: c

CTS TEST Paper

1. In a triangle ABC  $AB=AC$  then all the following are correct except one. Find that.

- a)  $AB < AC + BC$  b)  $AC < AB + BC$  c)  $BC < AB + AC$  d)  $AB + BC > AC + BC$  (correct)

2. Ten years ago the father's age is seven times the son's age. Two years later father's age is twice the son's. Then

the find the ages. sons age=12.4years fathers are=26.8

3. The father's age is 3 times the son's. After 15 years its age becomes twice the son's. Find the son's age now.

15 years(correct).

4. Two times which are started from stations A and B which are seperated by 110 km. One train leaves station A at

7 am. and travels 20 kmph. The other train leaves station B at 8 am. will speed of 25 kmph. Then at what time

will they meet if they are travelling in opposite direction.

a) 7 am. b) 10 am.(correct) c) 12 noon. d) 11 am.

5  $x+2y=2$  ,  $2x-y=4$  then

i)x=2 ii)x=0 y=0 iii) x-y=2

a)i only b) ii only c) none d)i and iii only(corrct).

6) In a family E is the father of two sons and a daughter who is unmarried. Daugher in-law is an officer whose

brother\_in\_law A is Engineer. C is doctor. The sister of B is Violenist who learnt Violin from B's wife. Then

6) What is the relationship between A&B. (ans. brothers)

7) Who is the wife of B (ans. officer)

8) What is the relation between E&B. (ans. father and son)

9) In a word COINCIDENCE the 1st letter is interchanged with 3ed letter and 2nd letter with 4th and so on. So



what is the seventh letter from the right after interchanging.

ans is D.

10) Minmise  $123658/234586=$  (ans is 0.52)

11. How many times a minute & hours hands will meet together in a day. ans. 22 times.

12. In a total of 36 vehicles after one car there is one scooter. After 2nd car there will be two scooters and after 3ed

car there will be 3 scooters so on . then find the number of scooters in the right half of arrangement. ans. 13

check.

13.. Find the statement which gives correct explanation to the contradictory statements.

- i). doctor told that "Drug adicts can not leave their habit
  - ii). some surveys indicate that all the drug addicts left their drug habit.
- a) Doctor do not know about drug addicts.
  - b) servays does not include every drug addict
  - c). Drug addiction is a bad habit.
  - d). will power make people leave their habbit.

14. A shop keeper selling a product for 10% discount to the market price . but by bourgaining he got 10% profit of

the costprice Market price is 300Rs. Find the cost price. 243 Rs(correct).

15. Customer needs 30% discount . But shopkeeper give 20% and 10% succesively. Then

- a). Whether customer got less profit than what he needed.
- b).will he got more.

c). no loss

d). none

16.. Cost price of two articles is 800. If he sells one article at  $\frac{3}{4}$  th of cost price and another article at  $\frac{4}{3}$  rd of cost

price Then he will loss 12 Rs. Then SP of article is.

a). 600,400 b). 5

CTS Paper IIT MADRAS

Analogies

1. slur : speech

ans: smulge : writing (choice is B)

2. cpahlet : shoulder

ans: ring : finger (choice is C)

3. vernanlar : place

ans: finger print : identical (choice is B)

opposite

4.corphlent

ans: emaciated (choice is D)

5.officious

ans: pragmate (choice is D)

6. dextrous

ans: clumsy (choice is B)

7 each sentense is broke to four sections a,b,c,d.choose which has mistake mark (e) if you

find no mistake.

a)phylchologists pointout that

b)there are human processes

c)which does not involve d) the use of words(choice is A)

8 a)jack ordered for

b)two plates of chicken

c)and a glass d)of water (choice is A)

- 9 a) politics is  
b) (choice is A)(are)

10 - 11: each question of group of questions is based on a passage or a set of conditions for each

question, select the best answer choice given.

(i). if it is forbidden by law if the object of agreement is the doing of an act, that is forbidden by law

the agreement is void.

(ii). if it is of the nature that, it would defeat the provision of any law if the agreement is void. if the

object of agreement is such that thing got directly forbidden by law it would defeat the provision of

statutory law.

(iii). if the object of agreement is fraudulent it is void.

(iv). an object of agreement is void if it involves or implies to the personal property of another.

(v). an object of agreement is void where the constant regards as ignored.

(vi). an object of agreement is void where the constant regards is as opposed to public policy.

12. A, B, C enter an agreement for the division of gains acquired or by be acquired by them by

them by the argument is void as:

ans: ---- (choice is D)

13-17) An algorithm follows a six step process za, zb, zc, zd, ze, zf, it is governed by following:

(i) zd should follow ze

(ii) the first may be za, zd or zf

(iii) zb and zc have to be performed after zd

(iv) zc must be immediately after zb

21) ans:- D22) if za the first set zd must be

a) 3rd

- b)5th
- c)2nd
- d)4th ans:- A or D (probably a)

15) zf can be 3rd or 5th-----any of the six, first, second or forth only,any of first four only none these:

ans:- B

- 16) if zb must follw za then
- a)za can only 3rd or fourth
  - b) first or second
  - c) can not be third
  - d) fouth or fifth
  - e)none
- ans:- A

17) ze is third term the no of diff operations possible is  
ans:- D (dabad)

18-23) ravi plans six sep-- x,y,z,w,u,v in rows no 1 to 6 ,according to the follwing conditions he must

plant x before y and u he must plant y &quot; w the 3rd has to be z

- 19) which could be in order
- a) xuywzv
  - b) xvzyuw
  - c)zuyxwv
  - d)zvXuwy
  - e) wyzuvx
- ans:- B

- 20) which is true
- a) z before v
  - b) z before x
  - c) w before u
  - d) y before u
  - e) x before w
- ans:- D

21) if he plans v first which is second x,y,z,w,u so ans is 'x'.choice is A.

- 22) which is true
- a) x,3

- b)y,6
  - c)z,1
  - d)w,2
  - e)u,6
- ans:- E

23) if he plans b 6th which would be first and second

- a) x and w
- b) x and y
- c) y and x
- d) w and z
- e) w and u

ans:- B

24) if he plans w before u and after v he should plan w at

- a) first
- b) second
- c) fourth
- d) fifth
- e) sixth

ans:- D

25) thursday

26) a&d

27) south hit

28) at a certain moment a watch shows 2 min lag although it is fast. if it showed a 3 min lag at that

moment, but gain 1/2 min more a day than it does. it would show the true time one day sooner than

it usually does. how many mins does the watch gain per day.

- a).2
- b).5
- c).6
- d).4
- e).75

ans : e

---&gt;(discount problem) 20%-&gt;15% then-&gt;32% (ans:32%)

29) In 400m race a gives b a start of 7 sec & beats by 24m. in another race a beats by 10 sec. the

speeds are

- a) 8,7

- b)7,6
  - c)10,8
  - d)6,8
  - e)12,10
- ans:c(10,8)

30  $3x+4y=10$   
 $x^3+y^3=6$  minimum value of  $3x+11y=?$   
ans=?

31) sink --- 7.7kms --- &gt;fills 2 1/4 t in 5.5 min. 92 tonnes enough.. sink throws out 18 tonnes/hr.  
avg. speed to  
a)1.86  
b)8.57  
c)9.4  
d)11.3  
e)10.7

32 600 tennis players 4% -&gt;wrist band on one wrist of remain 96%-&gt;25%-&gt;on both hands  
remain no of ---(ans:312)

33)In how many ways 5e,6s,3f be arranged if books of each language are to be kept together  
17,64800,90,58400,3110400  
ans: $e(3!*5!*6!*3!=3110400)$

34)three types of the a,b,c costs Rs. 95/kg,100/kg&amp;70/kg .how many kg of each be blended to

produce 100 kg of mixture worth Rs.90/kg,gives that the quantities of b&amp;c are equal

- a)70,15,15
  - b)50,25,25
  - c)60,20,20
  - d)40,30,30
- ans:b

35)water milk problem

36) $x+y+z=w$  q)two distinct no's are taken from 1,2,3,4.....28  
a)probably that the no is 6 --&gt;1/14  
b)probably that it exceeds 14 --&gt;1/28  
c)both exceed 5 is 3/28  
d)less than 13-&gt;25/28 (24/28)  
e)none  
ans:d

### CTS Violet Paper

The paper contains a total of 40 questions, there is negative marking also. Total time is ONE HOUR . Following are some questions .

1 .  $x = 2 + 2^{2/3} + 2^{1/3}$  . Then what is the value of  $x^3 - 6x^2 + x$ ? here  $X^Y$  indicates X to the power of Y.

a. -3 b. 0 ....

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2. A circle is inscribed in a Triangle of side 6cm. And a square is inscribed in the Circle. What is the area of square?

(3-4) There are two bridges running parallel over river Kauvery, and they are 1 KM apart. A man started rowing

the boat upstream under first bridge, his hat fell into river while he was exactly under second bridge. He

realized that after 15 mts, and started rowing in opposite direction, he eventually caught his hat under First

Bridge. What is the speed of river Kauvery?  
What is the speed of boat?

(5-10) There are five traders Timber, Steel, Cotton, Boots, Wood . Each sent a Collection of items between them.

No two traders have sent the items among themselves. i.e., The Trader who had received items from X can't

send items to X. Steel sent Wood a collection of boots. Boots sent wood to the sender of Timber. One

more condition is there I don't remember. But the puzzle was little bit tough. One can get easily confused

because the trader names and trading item names are same. Try to rename them and solve u can come up

with an answer, otherwise it might be difficult to untangle the puzzle. five questions on this like

Who received cotton?  
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Who sent Timber?

What did Timber receive? Etc.,

11. A train is moving at a speed of 25kmph, and another train moving in the same direction at a speed of 49kmph

crossed a man in first train in 10 sec? What is the length of second train? (These are not actual values but model

is important).

12. A cube has a surface area of 864sqcms. It is divided into smaller cubes of equal size and their surface area is

216sqcms. Find the number of smaller cubes?

a.4 b.8 c.12 d.16 ANS: b

13. There are two milk cans. First can contains water and milk in the ratio 1:3 and the second contains milk and

water in the ratio 2:2. Some milk from first can and some from second can is mixed in another can. New can

has 12 liters of mixture in the ratio 3:5 (water to milk). How much milk is taken from first and second can.

A 6,6 B 7,5 C 5,7 D 4,8 ANS:A

14. A person pays a tax of 10%, if his salary increases by 10% he needs to pay a tax of 15%. The total gain he obtains

after increment in salary is 350Rs. What is his salary?

a.12000 b.10000 c.8000 d.14000 Ans:b

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15. Rajesh walks on pavement around the garden of size 60\*40. The pavement width is 1 meter. What is the area of

Pavement?

a.204 b.102 c.306 d.428 Ans:a



16. A man runs around a square of side 10kms in different speeds as given below, find the average speed. 1st side:

10kmph, 2nd Side: 20kmph, 3rd side: 30kmph, 4th side: 40kmph  
a. 19.2 b. 20 c. 27 d. 26.5

(17-18) Sreesha starts from Bangalore to go to Sitapur. First two hours he moves at constant speed, suddenly his

car tyre gets punctured, so he took 10 minutes to start again. Then he moved at a constant speed of 30 kmph.

By the he reached Sitapur, he was late by 30 minutes. If his car was punctured 30 kms before sitapur, he

could have been late only by 15 minutes.

What is the distance between Sitapur and Bangalore?

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What is the speed with which he started from Bangalore?

19. A university library has two big books placed adjacent to each other. Of which first book is to the left of Second

one. A book worm started from the first book, and went on making a hole in a straight line through the second

book. If the covers are of width  $\frac{1}{4}$  th of a centimeter and the books have a width of 2 cm then how much

distance did the book worm cover? A 3cm B 4cm C 5cm D 2cm Ans C  
( $\frac{1}{4} + 2 + \frac{1}{4} + \frac{1}{4} + 2 + \frac{1}{4}$ )

20. There are 1000 doors closed. Here each goes through a door, which indicates he closes the door if it is open,

and vice versa. 1st person goes through each door, and 2nd person goes through doors that are divisible by 2

and like that nth person goes through doors that have numbers divisible by n. how many doors are opened after

1000 persons going through the doors?

a. 500 b. 150 c. 62 d. 31 Ans: d (The doors remaining opened at the end are the ones that have square

numbers i.e., 1, 4, 9, 16...

(21-24) They are on Data Sufficiency.

21. Find the two numbers

- i) The product of two numbers is 24.
- ii) The sum of two numbers is 10.

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22. Find the increase in % of salary of a person from 1997 to 2000

- i) His salary increased by 10% in each of the following years 1998, 1999, 2000
- ii) I don't remember... But answer is i) is sufficient

23 & 24 are simple..but go through these type of models.

(25-30) Sentence completion.

I don't remember exact sentences, but I am giving the words that I found as answers among them, just remember

the meaning of these words you can easily answer.

25. Varies

26. Embellished... attractive (not meaning but answers for two blanks they have given)

27. Adore

28. Elucidate

29. Perpetuate

.....

(31-32) Two questions are of conclusion type. Given some information and asked some questions. They are not

problematic, just general reasoning.

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31. A company provides some Plans for Old age persons in India regarding their health. The plans actually are too

costly, so No one showing interest in joining the Plans. What step among the following will favor company's

plans? Some steps were given in a, b, c, d. You need to select the best one.

32. A private organization started a new Scheme on paying School fees. The plan is that if the Parents pay some

amount before their children join in Schools, the Organization will look after their fees payments..what ever

course they may do..the company will bear the amount? What do you find the reason for Parents not to join in

this Scheme? Some reasons were given in a, b, c, d. You need to select the best one.

33. 60 members complete a work in 40 days. They worked for 10 days. And eventually 10 members quit the job

and remaining people worked for another 10 days. and again 10 of them quit the job. This continued for every

10 days. How many days did workers take to finish the work?

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The cut off for this paper was very low, because It was bit tough. u can't complete all these questions in 1 hour .

I think the cut off could have been around 10 marks. Never try to find what would be the cutoff while you are

writing the exam. And how many do I need to answer. Keep answering all the questions you know in 1 hour.

CTS TEST Paper

1. In a club there are certain no. of males and females. If 15 females are absent then no. of males will be twice

that of females. If 45 males are absent then female strength will be 5 times that of males. Find no. of males

actually present.

2. Three men A, B, C plays Cards. If one loses the game he have to give Rs.3. If he wins the game he will gain

Rs.6. If A has won 3 Games, B loses Rs.3, C wins Rs.12.What is the total no. of games played?

3 A can swim & cross 50m(the length of swimming pool) in 2 min. B can swim & cross 50m in 2min 15sec.

Every time when they meet a bell gong is struck. For 2000m how many bell sounds might be produced?

4) When I was married 10 years ago my wife is the 6th member of the family. Today my father died and a baby

born to me. The average age of my family during my marriage is same as today. What is the age of Father

when he died?

ans:70.

5) There are 9 balls of equal size and same weight(they look similar) except 1. How many weights required to

find the dissimilar ball using a weighing balance?

6) Product of Prime no. between 1 to 20?

7) Find out the total numbers between 1 to 999 that are neither divisible by 8 nor by 12?

8) Find out the distinct numbers that can be formed by 2, 3, 7, 6(don't know exactly) that should be divided by 4?

9) Two trains at speed 60 km/hr come in the opposite direction. At a particular time the distance between the

two trains is 18km. A shuttle flies between the trains at the speed of 80 km/hr. At the time the two trains

crashes what is the distance traveled by shuttle?

10) There are  $n$  urns and  $m$  balls. If we put 3 balls in each urn 3 balls will be excess. If we put 4 balls in each

urn 1 urn will be excess. Find no. of Urns (or) Balls?

11) Find the area not occupied by circles: Given length =  $y$  breadth =  $x$

Answer:  $3x^2(1-\pi/4)$

12) A man gets  $x/y$  of Rs.10 and  $y/x$  of Rs.10. He returns Rs.20. The Answer choices are

- a) He may not lose
- b) He may lose
- c) He always loses
- d) Cannot be Determined

13) Three men A,B,C can complete a work separately in some specified days(may be 6,7,8).

If they do the work together by alternate days. Then how many days need to complete the work?

14) Four Members A,B,C,D are playing a game. A person losing a game should double the amount of others.

B,C,D are losing in order after three games. The amount after 3 games are A&B having 40,D is having

16&C 80.Each questions carry one mark:

a) who started with small amount of money?

Ans)A

15) who started with greatest amount of money?

Ans)B

16) what amount did B have?

Ans)93

Hint: I solved and found the answers to be A->5,B->93

17) There are some houses in a street back to back. And they that house behind 10 was 23.  
How many houses in the street?

Ans)32

18) There are 1997 doors in a auditorium and as many as people as the no of doors open enter the auditorium.

A door was closed and as many as people as no of doors open leave the auditorium.  
The process was

repeated till the no of doors is equal to 1. find the total no of peoples enter the auditorium?

19) A batsman average was 15. at last innings he took 23 runs then his average became 16.  
How much run he

should take to make his average 18?

20) Find the number WXYZ divisible by 36?

i) let the digits be 5,4,3,6 -not in that order

ii) sum of last two digits is 9

iii) sum of middle two digits is 7

if one is sufficient then ans as A || if two is sufficient then ans as B || if all are necessary then ans as C || if

nothing is needed then ans as D

21) X and Y live in a North-South parallel street. X travels 10 km towards North to reach the east-west street.

Y travels 6 km towards south to reach the east -west street . X travels now 4km towards east and y travels

8km towards west and they met each other. What is the distance between x and y?

22) The houses are numbered 1,2,3,... and reach the end of the street and backtracks toward s the starting

point. The house numbered 10 is opposite to 23. There are even no of houses. Find the total no of houses.

23) A seller has a set of apples out of which he sells one half of it and half an apple to his first customer. then he

sells half of the remaining apples and a half apple to his second customer. Then he sells half of the remaining

apple and  $\frac{1}{2}$  apple to his third customer and so on. This repeats upto 7th customer and no more apples are

remaining. Find the total no of apples he had.

24) A hollow cube of size 5cm is taken, with the thickness of 1cm. It is made of smaller cubes of size 1cm . If

the outer surface of the cube is painted how many faces of the smaller cubes remain unpainted?

25) If a 36 cm thread is used to wrap a book, lengthwise twice and breadthwise once, what is the size of the

book?

26) The various degrees of the vertices are marked in the dig. Find y.

27) If 4 circles of equal radius are drawn with vertices of a square as the centre, the side of the square being 7

cm, find the area of the circles outside the square?

28) A bus has 40 seats and the passengers agree to share the total bus fare among themselves equally. If the

total fair is 80.67, find the total no of the seats unoccupied.

29) A 4 digit no may consist of the digits 6,2,7,5 where none of the nos are repeated. Find the possible no of

combinations divisible by 36?

30) If u r traveling from Mumbai to banglore and return back. To find the speed of the car which of the following

r needed.

a)the distance between them.

b)time taken

c)avg speed towards Mumbai and the avg speed towards banglore.

Choices:

1) a only. 2) a and b 3) a,b,c 4) b only 5) c only (ans not in order)

31) (Diagram drawn approximate not to scale.)

If all the blocks are squares and the complete fig. is also a square and the area of the a is  $1 \text{ cm}^2$ , b= $81 \text{ cm}^2$ ,

what is the area of i?

32) A secret can be told only 2 persons in 5 minutes. The same person tells to 2 more persons and so on. How

long will take to tell it to 768 persons ?

a)47.5 min b)50 min c) 500 min.

Ans: 47.5 min

33) Three birds cross a point in a same st. line and of that 2 fly in opposite directions. If a triangle is formed with

the position of the birds what kind of the triangle will be formed?

a)isosceles b)right angle c)equilateral d)right angle and isosceles.

34) When the angle a, b, c, d are given find x.

35) One question is given for explaining the working of cornea (in eyes) & the window  
ans: drawing analogy

36)  $m < n$ , &  $x < y$  which of the following is definitely false?

a) $m - n < x - y$

b) $m + n < x + y$

c) $m - n > x - y$

d) $m + n > x + y$

37) Four circles are drawn from the corners of a square of area 49 cm<sup>2</sup> . Find the area of 4 circles outside the

square (they didn't mention that circles have radius=1/2 side of a square)

ans: intermediate

38) In a pond ecosystem,large fishes and small fishes will be there.If we want to remove small amount of

pollutants, small fishes are to be employed. In a food-chain food passes through a number of mouths and en

route the mouth of the superfeeder-the eagle. The size of the ecosystem is determined by its population. But

this has been proved false. What can you infer from above?

(4 choices)

39) In Bangalore,during income tax deduction for a single person,the percentage increased by 3% and for

middle house-holders, it decreased by 3%.What can you infer?

40) In China,Mao-Tse -Tung was responsible for organizing its people and taking China into success path. It

evolved into a great economic power by improved industrial and economical statistics. China prospered in

those years, but\_\_\_\_\_ Which of the following best completes the sentence?

(4 choices)

41) A ridge formed over Pacific Ocean was because of the intersection of two volcanoes. But in history it was

written that it was not due to those volcanoes. It proves a contradictory to form the view that history will be

proved wrong in the future Inference?

42) In a poultry form because of cloning, a large breed of hens were produced. This increased the production but

the maintenance was very difficult because of the large number. This does not mean that cloning is a disaster

in the scientific world but it is a tool which in some ways is constructive but in other ways it is destructive.

Inference?

### COGNIZANT (CTS) TEST Paper

There were 5 sections 8 questions each (40 q totally) 60 minute 5 different sets of question papers 1 Mark each

0.25 negative marking

#### CTS BLACK

Vocabulary, strings, dominoes, functions, coding (each section 8 ques)

#### CTS BROWN

Word series, numerical series, functions, figures, verbal (each section 8 ques)

#### CTS VIOLET

Functions, strings, bricks, jigsaw puzzle, cryptic clues (each section 8 ques)

#### CTS RED

1) 8 functions                      2) 4 cryptic clues, 4 anagrams

3) 4 Tetris figures, 4 bricks    4) 8 strings                      5) 4 jigsaw puzzles 4 number series

#### BROWN 2002

There were different papers for different sessions. The paper had 5 sections,  $5 * 8 = 40$  Que's. totally

-----  
Section 1: Functions

Q: 1 - 8



Certain functions were given & based upon the rules & the choices had to be made based on recursion. This is time consuming, but u can do it. Try to do it at the end. Start from the last section.

L(x) is a function defined. functions can be defined as

L(x)=(a,b,ab) or (a,b,(a,b),(a,(b,b)),a,(b,b)).... two functions were given A(x) & B(x) like

if l(x)=(a,b,c) then A(x)=(a) & B(x)=(b,c)

i.e., A(x) contains the first element of the function only.& B(x) contains the remaining, except the first element.

then the other two functions were defined as

C(x) = \* if L(x) = ()

A(x) if L(x) = () & B(x) != () & C(B(x)) otherwise

D(x) = \* if L(x) = ()

\*\* if B(x) = ()

A(x), if L(x) != () & B(x) != ()

D(D(x)),otherwise ;

Now the Questions are,

1 : if L(x) = (a,b,(a,b)) then C(x) is ?

(a): a (b): b (c): c (d): none

2 : if L(x) = (a,b,(a,b)) then find D(x)

same options as above

3 : if L(x) = (a,b,(a,b),(b,(b))) find C(x)

4 : find D(x)

5 : if L(x) = (a,(a,b),(a,b,(a,(b))),b) then find c(x)

6 : find D(x)

7 : if L(x) = (a,b,(a,b)) then find C(D(x))

8 : find  $D(C(x))$

## Section 2: Word series

Q's: 9 - 16

If  $S$  is a string then  $p, q, r$  forms the sub strings of  $S$ . For eg, if  $S = \text{aaababc}$  &  $p = \text{aa}, q = \text{ab}, r = \text{bc}$ . Then on applying  $p \rightarrow q$  on  $S$  is that  $\text{ababaabc}$ . Only the first occurrence of  $S$  has to be substituted. If there is no sub string of  $p, q, r$  on  $s$  then it should not be substituted. If  $S = \text{aabbcc}, R = \text{ab}, Q = \text{bc}$ . Now we define an operator  $R \rightarrow Q$ ;

$Q$  when operated on  $S$ ,  $R$  is replaced by  $Q$ , provided  $Q$  is a subset of  $S$ , otherwise  $R$  will be unchanged. Given a set  $S = \dots$  when  $R \rightarrow Q, P \rightarrow R, Q \rightarrow P$  operated successively on  $S$ , what will be new  $S$ ? There will be 4 =: if  $s = \text{aaababc}$  &  $p = \text{aa}, q = \text{ab}, r = \text{bc}$  then applying  $p \rightarrow q, q \rightarrow r$  &  $r \rightarrow p$  will give,

(a):  $\text{aaababc}$  (b):  $\text{abaabbc}$  (c):  $\text{abcbaac}$  (d): none of the a,b,c

10: if  $s = \text{aaababc}$  &  $p = \text{aa}, q = \text{ab}, r = \text{bc}$  then applying  $q \rightarrow r$  &  $r \rightarrow p$  will give,

11: if  $s = \text{abababc}$  &  $p = \text{aa}, q = \text{ab}, r = \text{bc}$  then applying  $p \rightarrow q, q \rightarrow r$  &  $r \rightarrow p$  will give,

12: if  $s = \text{abababc}$  &  $p = \text{aa}, q = \text{ab}, r = \text{bc}$  then applying  $q \rightarrow r$  &  $r \rightarrow p$  will give,

13: if  $s = \text{aabc}$  &  $p = \text{aa}, q = \text{ab}, r = \text{ac}$  then applying  $p \rightarrow q(2), q \rightarrow r(2), r \rightarrow p$  will give, (2) Means applying the same thing

twice.

14: Similar type of problem.

15) if  $s = \text{abbabc}$   $p = \text{ab}, q = \text{bb}, r = \text{bc}$  then to get  $s = \text{abbabc}$  which one should be applied.

(a):  $p \rightarrow q, q \rightarrow r, r \rightarrow p$

16) if  $s = \text{abbabc}$   $p = \text{ab}, q = \text{bb}, r = \text{bc}$  then to get  $s = \text{bbcbabc}$  which one should be applied.

Let us consider a set of strings such as  $S = \text{aabcab}$ . We now consider two more sets  $P$  and  $Q$  that also contain strings. An operation  $P \rightarrow Q$  is defined in such a manner that if  $P$  is a subset of  $S$ , then  $P$  is to be replaced by  $Q$ . In the following questions, you are given various sets of strings on which you have to perform certain operations as defined above. Choose the correct alternative as your answer. (Below are some ques from old ques papers)

a) Let  $S = \text{abcabc}, P = \text{bc}, Q = \text{bb}$  and  $R = \text{ba}$ . Then  $P \rightarrow Q, Q \rightarrow R$  and  $R \rightarrow P$ , changes  $S$  to

\_\_\_\_\_? (A) ..... (B)  $\text{abcabc}$  (C) ..... (D) none of A, B, C

b) Let  $S = aabbcc$ ,  $P = ab$ ,  $Q = bc$  and  $R = cc$ . Then  $P \rightarrow Q$ ,  $Q \rightarrow R$  and  $R \rightarrow P$ , changes  $S$  to \_\_\_\_\_? (A) ababab (B) ..... (C) ..... (D) none of A, B, C

c) Let  $S = bcacbc$ ,  $P = ac$ ,  $Q = ca$  and  $R = ba$ . Then  $P \rightarrow Q$ ,  $Q \rightarrow R$ ,  $P \rightarrow R$  and changes  $S$  to \_\_\_\_\_? (A) ..... (B) ..... (C) bcbabc (D) none of A,B,C

d) Let  $S = caabcb$ ,  $P = aa$ ,  $Q = ca$  and  $R = bcb$ . Then  $P \rightarrow Q$ ,  $P \rightarrow R$ ,  $R \rightarrow Q$  and changes  $S$  to \_\_\_\_\_?

(A) ..... (B) ..... (C) ..... (D) none of A,B,C

### Section 3: numerical series

17: 2,20,80,100...

(a): 121, (b): 116 (c): (d):none

18: 10,16,2146,2218...

1. A says " the horse is not black". B says " the horse is either brown or grey." c says " the hoese is brown"

At least one is telling truth and atleast one is lying. tell the colour of horse.

Answer : grey

2. A son and father goes for boating in river upstream . After rowing for 1 mile son notices the hat of his fathe

falling in the river. After 5 min. he tells his father that his hat has fallen. So they turn around

and areable to pick the hat at the point from where they began boating after 5 min.

Tell the speed of river.

Ans...6 miles/hr

3  $A+B+C+D=D+E+F+G=G+H+I=17$  where each letter represent a number from 1 to 9. Find out what does

letter D and G represent if letter  $A=4$ .

(8 marks)

ans.  $D=5$   $G=1$

4. Argentina had football team of 22 player of which captain is from Brazilian team and goalki from European team. For remainig palayer they have picked 6 from argentinan and 14 from european. Now for a team of 11 they must have goalki and captain so out of 9 now they plan to select 3 from argentinian and 6 from European. Find out no. of methods avilable for it (2 marks)

Ans :  $160600$ ( check out for right no.  $6C3 * 14C6$ )

5 Three thives were caught stealing sheep, mule and camel.A says " B had stolen sheep " C says " B had stolen

mule"B says he had stolen nothing.the one who had stolen horse is speaking truth. the one who

had stolen camel is lying . Tell who had stolen what? (5 marks)

ans. A- camel B- mule C- horse

6 a group of friends goes for dinner and gets bill of Rs 2400 Two of them says that they have forgotten their

purse so remaining make an extra contribution of Rs 100 to pay up the bill. Tell the no. of person in that group.

Ans - 8 person (3 marks)

7. In acolony there are some families. Each of them have children but different in numbers.Following are

conditions a no of adult>no of sons>no of daughters>no of families.b each sister must have atleast one

brother and should have at the most 1 sister. c no of children in one family exceeds the sum of no of children

in the rest families.Tell the no of families.(5 marks)

ans : 3 families

8. There are 6 people W,H,M,C,G,F who are murderer , victim , judge , police, witness, hangman. There was no

eye witness only circumtancial witness. The murderer was sentenced to death.Read following statement and

determine who is who.

1. M knew both murderer and victim.
2. Judge asked C to discribe murder incident.
3. W was last to see F alive.
4. Police found G at the murder site.
- 5 H and W never met.

marks)

( 8

The above mentioned questions are of 37 marks rest I don't remember as they had no of condition. One which mentions about hindustani music Gazals ect. is to be solved through venn diagram. Its of 8 marks. and another was grading 5 student which was of 5 marks.

Cognizent Technology Solutions(CTS)

#### SECTION I

1. These questions involve interchange of letters in a word at particular locations and also interchanging letters adjacent to those particular locations. Certain other conditions may also be given

For eg.

Let the word be ABBAABA

If we apply 25 on this, it means we have to interchange the letters at positions 2 and 5, also we have to change the letters adjacent to positions 2 and 5 i.e. from A to B and B to A.

A B B A A B after Step 1 i.e interchange of 2 and 5 becomes AABABB

Now change adjacent elements of 2 and 5...finally answer becomes

Ans: B A A B B A

Questions 1-5 are based on the pattern with changed numbers as described above

Questions 6-8 are of the following type

To get AAABBD from BBBAAB what number should be applied:-

- a) 25
- b) 34
- c) 25 & 34
- d) none

#### SECTION II

1. Given the following functions

$$(1) f(n a b c) = ac \text{ if } n=1$$

$$(2) f(n a b c) = f(n-1 a c b) + f(1 a b c) + f(n-1 b a c) \text{ if } n > 1$$

Then what is the value  $f(2 a b c) = ?$

$$\text{Ans: } f(2 a c b) = ab + ac + bc.$$

2. Similar question on functions.

3. [ Based on the function in the first question] For the function  $f(4 a b c)$  the number of terms is...?

$$\text{Hint } f(4 a b c) = f(3 a c b) + f(1 a b c) + f(3 b a c) \text{ etc.}$$

4. What is the value of the function  $f(5 a b c) = ?$

### SECTION III

Permutations and Combinations.

8 Questions.

1.  $r =$  number of flags;  $n =$  number of poles; Any number of flags can be accommodated on any single pole.

1)  $r=5, n=5$  The no. of ways the flags can be arranged ? Questions 2-5 are based on the above pattern

6.  $r = 5, n = 3$ . If first pole has 2 flags, third pole has 1 flag How many ways can the remaining be arranged?

Questions 7.& 8. are similar to Question 6.

### SECTION IV

Question consisting of figures - Pattern-matching type.

Refer R.S Agarwal's book on Analytical Reasoning & TMHs Quantitative ability book by Edgar Thorpe.

### SECTION V

In this section first part of compound word is given. Select meaning of the second part from the choice given:

1. Swan
2. Swans
3. Fool
4. Fools
5. Stare
6. Lady

For all above 4 choices are given.....

Eg. Swan ---> Swansong (compound word)

a) category b) music c) television d) none

Ans: Swansong is compound word. But song is not given as an option. so (b) music is the answer.

1. slur : speech : : smudge : ?

Ans. writing

2. epaulet : shoulder : : ring : ?

Ans.finger

3. vernacular : place : : fingerprint : ?

Ans. identical

Opposites

Q. corpulent

Ans: emaciated

Q. officious

Ans: pragmate

Q. dextrous

Ans: clumsy

The following sentences are broken into 4 sections- A, B, C, D Choose the part which has a mistake

Mark (E) if you find no mistake.

Q.A)psychologists point out that B)there are human processes C)which does not involve D) the use of words

Ans. (C) which does not involve (do)

Q.A)jack ordered for B)two plates of chicken C)and a glass D)of water

Ans. (A)jack ordered for

The following is a group of questions is based on a passage or a set of conditions for each question.

Select the best answer choice given.

(i). If it is forbidden by law if the object of agreement is the doing of an act, that is forbidden by law the agreement is void.

(ii). If it is of the nature that, it would defeat the provision of any law is the agreement is void. if the object of agreement is such that thing got directly forbidden by law it would defeat the provision of statutory law.

(iii). If the object of agreement is fraudulent it is void.

(iv). An object of agreement is void if it involves or implies to the personal property of another.

(v). An object of agreement is void where the constant regards as ignored.

(vi). An object of agreement is void where the constant regards is as opposed to public policy.

Q. An algorithm follows a six step process za,zb,zc,zd,ze,zf, it is governed by the following

- (i) zd should follow ze
- (ii) the first may be za,zd or zf
- (iii) zb and zc have to be performed after zd
- (iv) zc must be immediately after zb

Q. If za is the first set zd must be

- a) 3rd
- b) 5th
- c) 2nd
- d) 4th

Q. If zb must follow za then za can be

- a) third or fourth
- b) first or second
- c) can not be third
- d) fourth or fifth
- e) none

Q. If ze is third term the number of different operations possible are

The following questions are based on the given statements Ravi plants six separate saplings -- x,y,z,w,u,v in rows no 1 to 6 ,according to the following conditions

He must plant x before y and u

He must plant y and w

The third has to be z

Q. Which of the following is acceptable

- a) xuywzv
- b) xvzyuw
- c) zuyxwv
- d) zvxuwy
- e) wyzuvx

Q. Which of the following is true



- a) z before v
- b) z before x
- c) w before u
- d) y before u
- e) x before w

Q. If he plants v first, then which can be planted second

- a) x
- b) y
- c) z
- d) w
- e) u

Q. Which of the following describes a correct combination of sapling and row?

- a) x,3
- b) y,6
- c) z,1
- d) w,2
- e) u,6

Q. If he plants b 6th which would be planted first and second

- a) x and w
- b) x and y
- c) y and x
- d) w and z
- e) w and u

Q. If he plants w before u and after v he should plant w at

- a) first
- b) second
- c) fourth
- d) fifth
- e) sixth

Q. At a certain moment a watch shows 2 min lag although it is running fast. If it showed a 3 min lag at that moment, but also gains by  $\frac{1}{2}$  min more a day than its current speed it would show the true time one day sooner than it usually does.  
How many mins does the watch gain per day.

- a).2

- b).5
- c).6
- d).4
- e).75

Q. In 400m race A gives B a start of 7 sec and beats him by 24 sec. In another race A beats B by 10 sec.the speeds are in the ratio

- a)8:7
- b)7:6
- c)10:8
- d)6:8
- e)12:10

Q.  $3x+4y=10$

$$x^3 + y^3=6$$

What is the minimum value of  $3x+11y=?$

Q. There are 600 tennis players 4% wear wrist band on one wrist Of the remaining, 25% wear wrist bands on both hands  
How many players don't wear a wrist band?

Ans. 432

Q. Three types of tea the a,b,c costs Rs. 95/kg,100/kg and70/kg respectively. How many kgs of each should be blended to produce 100 kg of mixture worth Rs.90/kg, given that the quantities of band c are equal

- a)70,15,15
- b)50,25,25
- c)60,20,20
- d)40,30,30

Ans. (b)

Q. Two distinct no's are taken from 1,2,3,4.....28 Find the probability that their sum is less than 13

1. A says " the horse is not black".

B says " the horse is either brown or grey."

C says " the hoese is brown"

At least one is telling truth and atleast one is lying. Tell the colour of horse.

Ans: Grey

2. A son and father go for boating in river upstream. After rowing for 1 mile son notices the hat of his father's hat is falling in the river. After 5 min., he tells his father that his hat has fallen. So, they turn around and are able to pick the hat at the point from where they began boating after 5 min. Tell the speed of river.

Ans: 6 miles/hr

3  $A+B+C+D=D+E+F+G=G+H+I=17$  where each letter represent a number from 1 to 9. Find out what does letter D and G represent if letter A= 4.(8marks)

Ans:D= 5 G=1

4. Argentina had football team of 22 player of which captain is from Brazilian team and goalkeeper from European team. For remaining players, they have picked 6 from argentinian and 14 from european. Now for a team of 11 they must have goalkeeper and captain so out of 9 now, they plan to select 3 from argentinian and 6 from European. Find out no. of possibilities available for it. (2 marks)

Ans: 160600 (ie  ${}^6C_3 * {}^{14}C_6$ )

5. Three thives were caught stealing sheep, mule and camel. A says " B had stolen sheep " C says " B had stolen mule" B says he had stolen nothing. the one who had stolen horse is speaking truth. the one who had stolen camel is lying . Tell who had stolen what? (5 marks)

Ans: A- camel B- mule C- horse

6. A group of friends goes for dinner and gets bill of Rs 2400 . Two of them says that they have forgotten their purse so remaining make an extra contribution of Rs 100 to pay up the bill. Tell the number of person in that group. (3 marks)

Ans: 8 persons

7. In a colony, there are some families. Each of them have children but different in numbers.

Following are conditions:

- Number of adults = Number of sons = Number of daughters = Number of families.
- Each sister must have atleast one brother and should have at the most 1 sister.
- Number of children in one family exceeds the sum of no of children in the rest families.

Tell the number of families.(5 marks)

Ans: 3 families

8. There are 6 people W,H,M,C,G,F who are murderer , victim , judge , police, witness, hangman. There was no eye-witness only circumstantial witness. The murderer was sentenced to death. Read following statement and determine who is who. ( 8 marks)

1. M knew both murderer and victim.
2. Judge asked C to describe murder incident.
3. W was last to see F alive.
4. Police found G at the murder site.
5. H and W never met.

### COGNIZENT TECHNOLOGY SOLUTIONS(CTS)

#### SAMPLE PAPER

There are 60 questions to be answered in 60 minutes

- 1) In a club there are certain no. of males and females. If 15 females are absent then no. of males will be twice that of females. If 45 males are absent then female strength will be 5 times that of males. Find no. of males actually present.
- 2) Three men A, B, C plays Cards. If one loses the game he have to give Rs.3. If he wins the game he will gain Rs.6. If A has won 3 Games, B loses Rs.3, C wins Rs.12.What is the total no. of games played?
- 3) A can swim & cross 50m(the length of swimming pool) in 2 min. B can swim & cross 50m in 2min 15sec. Every time when they meet a bell gong is struck. For 2000m how many bell sounds might be produced?
- 4) When I was married 10 years ago my wife is the 6th member of the family. Today my father died and a baby born to me. The average age of my family during my marriage is same as today. What is the age of Father when he died?ans:70.
- 5)There are 9 balls of equal size and same weight(they look similar) except 1. How many weights required to find the dissimilar ball using a weighing balance?
- 6) Product of Prime no. between 1 to 20?
- 7) Find out the total numbers between 1 to 999 that are neither divisible by 8 nor by 12?
- 8) Find out the distinct numbers that can be formed by 2, 3, 7, 6(don't now exactly) that should be divided by 4?

9) Two trains at speed 60 km/hr comes in the opposite direction. At a particular time the distance between the two trains is 18km. A shuttle flies between the trains at the speed of 80 km/hr. At the time the two trains crashes what is the distance traveled by shuttle?

10) There are n urns and m balls. If we put 3 balls in each urn 3 balls will be excess. If we put 4 balls in each urn 1 urn will be excess. Find no. of Urns (or) Balls?

11) Find the area not occupied by circles: Given length =y breadth =x  
(Answer:  $3x^2(1-\pi/4)$ )

12) A man gets x/y of Rs.10 and y/x of Rs.10. He returns Rs.20. The Answer choices are

- a) He may not lose
- b) He may lose
- c) He always loses
- d) Cannot be Determined

13) Three men A,B,C can complete a work separately in some specified days(may be 6,7,8).If they do the work together by alternate days. Then how many days need to complete the work?

14)Four Members A,B,C,D are playing a game .A person losing a game should double the amount of others .B,C,D are losing in order after three games .The amount after 3 games are A&B having 40,D is having 16&C 80. Each questions carry one mark:

a) who started with small amount of money?

Ans)A

15)who started with greatest amount of money?

Ans)B

16)what amount did B have?

Ans)93

Hint: I solved and found the answers to be A->5,B->93

17)There are some houses in a street back to back .And they that house behind 10 was 23. How many houses in the street?

Ans)32

18)There are 1997 doors in a auditorium and as many as people as the no of doors open enter the auditorium .A door was closed and as many as people as no of doors open leave the auditorium . the process was repeated till the no of doors is equal to 1.find the total no of peoples enter the auditorium?

19)A batsman average was 15.at last innings he took 23 runs then his average became 16.how much run he should take to make his average 18?

20)Find the number WXYZ divisible by 36?

i) let the digits be 5, 4, 3, 6 – not in that order

ii) sum of last two digits is 9

iii) sum of middle two digits is 7

-> if one is sufficient then ans as A || if two is sufficient then ans as B || if all are necessary then ans as C || if nothing is needed then ans as D

21) X and Y live in a North-South parallel street. X travels 10 km towards North to reach the east-west street. Y travels 6 km towards south to reach the east-west street. X travels now 4 km towards east and Y travels 8 km towards west and they met each other. What is the distance between X and Y?

22) The houses are numbered 1, 2, 3, ... and reach the end of the street and backtrack towards the starting point. The house numbered 10 is opposite to 23. There are even no. of houses. Find the total no. of houses.

23) A seller has a set of apples out of which he sells one half of it and half an apple to his first customer. Then he sells half of the remaining apples and a half apple to his second customer. Then he sells half of the remaining apple and  $\frac{1}{2}$  apple to his third customer and so on. This repeats up to 7th customer and no more apples are remaining. Find the total no. of apples he had.

24) A hollow cube of size 5 cm is taken, with the thickness of 1 cm. It is made of smaller cubes of size 1 cm. If the outer surface of the cube is painted, how many faces of the smaller cubes remain unpainted?

25) If a 36 cm thread is used to wrap a book, lengthwise twice and breadthwise once, what is the size of the book?

26)

The various degrees of the vertices are marked in the dig. Find  $y$ .

27) If 4 circles of equal radius are drawn with vertices of a square as the centre, the side of the square being 7 cm, find the area of the circles outside the square?

28) A bus has 40 seats and the passengers agree to share the total bus fare among themselves equally. If the total fare is 80.67, find the total no. of the seats unoccupied.

29) A 4 digit no. may consist of the digits 6, 2, 7, 5 where none of the nos. are repeated. Find the possible no. of combinations divisible by 36?

30) If you are traveling from Mumbai to Bangalore and return back. To find the speed of the car which of the following is needed.

a) the distance between them.

b) time taken

c) avg speed towards Mumbai and the avg speed towards Bangalore.

Choices:

1)a only. 2)a and b 3) a,b,c 4)b only 5) c only ( ans not in order)

31)

( Diagram drawn approximate not to scale.)

if all the blocks are squares and the complete fig is also a square and the area of the a is 1 cm<sup>2</sup>,b=81 cm<sup>2</sup>what is the area of i?

32) A secret can be told only 2 persons in 5 minutes .the same person tells to 2 more persons and so on . How long will take to tell it to 768 persons ?

a)47.5 min b)50 min c) 500 min d).... Ans: 47.5 min

33) Three birds cross a point in a same st. line and of that 2 fly in opposite directions. If a triangle is formed with the position of the birds what kind of the triangle will be formed?

a)isosceles b)right angle c)equilateral d)right angle and isosceles.

34)

when the angle a, b, c, d are given find x.

35) One question is given for explaining the working of cornea (in eyes) & the window ans: drawing analogy

36)  $m < n$ , &  $x < y$  which of the following is definitely false

a) $m - n < x - y$  b) $m + n < x + y$

c)&d) Similar options using all 4 variables

37)Four circles are drawn from the corners of a square of area 49 cm<sup>2</sup> . Find the area of 4 circles outside the square

(they didn't mention that circles have radius= $\frac{1}{2}$  side of a square)

ans: intermediate

38)In a pond ecosystem,large fishes and small fishes will be there.If we want to remove small amount of pollutants,small fishes are to be employed.In a food-chain food passes through a number of mouths and en route the mouth of the superfeeder-the eagle.The size of the ecosystem is determined by its population.But this has been proved false.

What can you infer from above?

(4 choices)

39)In Bangalore,during income tax deduction for a single person,the percentage increased by 3% and for middle house-holders,it decreased by 3%.What can you infer?

40)In China,Mao-Tse –Tung was responsible for organizing its people and taking China into success path.It evolved into a great economic power by improved industrial and economical statistics.China prospered in those years,but\_\_\_\_\_

Which of the following best completes the sentence?(4 choices)

41)A ridge formed over Pacific Ocean was because of the intersection of two volcanoes.But in history it was written that it was not due to those volcanoes.It proves a contradictory to form the view that history will be proved wrong in the future. Inference?

42)In a poultry farm because of cloning,a large breed of hens were produced.This increased the production but the maintenance was very difficult because of the large number.This does not mean that cloning is a disaster in the scientific world but it is a tool which in some ways is constructive but in other ways ,it is destructive.Inference?

CTS PAPER IN N.I.T. JAMSHEDPUR

Color code: Yellow

Questions given here are not in the same order as that in question paper.

A starts from a place at 11.00 A.M. and travels at a speed of 4 kmph, B starts at 1.00 P.M. and travels with speeds of 1 kmph for 1 hour, 2 kmph for the next 1 hour, 3 kmph for the next 1 hour and so on. At what time will B catch up with A

- a) 9.24    b) 9.32    c) 9.48    d) none

The average temperature of Monday to Wednesday was 37C and of Tuesday to Thursday was 34C. If the temperature on Thursday was  $\frac{4}{5}$  th of that of Monday, the temperature on Thursday was

- a) 36.5C    b) 36C    c) 35.5C    d) 34C

Swetha and Chaitanya went to a bookshop. Swetha purchased 5 pens, 3 note books and 9 pencils and used up all her money. Chaitanya purchased 6 pens, 6 note books and 18 pencils and paid 50% more than what Swetha paid. What % of Swethas money was spent on pens

- a) 12.5    b) 62.5    c) 75    d) can't be determined.

Directions for Questions 4, 5, 6. Alex, Bond, Calvin and Dorna collected coins of different countries.

- a. They collected 100 altogether    b. None collected less than 10  
c. Each collected an even no.    d. Each collected a different no

Based on the above, we can say that the no. of coins collected by the boy who collected the most could not have exceeded

- a) 54    b) 64    c) 58    d) 60



If Alex collected 54 coins, we can say (on the basis of information obtained so far) that difference in nos. collected by the boy who collected the most and the boy who collected the 2nd most should be at least

- a) 30    b) 24    c) 26    d) 12

Alex collected 54 coins. If Calvin collected 2 more than double the no. collected by Dorna, the no. collected by Calvin was

- a) 10%    b) 30%    c) 22%    d) 26 %

How many nos. are there between 100 and 200 both inclusive and divisible by 2 or 3?

- a) 67    b) 68    c) 84    d) 100

Find the greatest no. that will divide 964, 1238 and 1400 leaving remainder of 41, 31 and 51 resp.

- a) 58    b) 64    c) 69    d) 71

If all 6's get inverted and become 9's, by how much will the sum of all nos. between 1 and 100 both inclusive change?

- a) 300    b) 330    c) 333    d) none of these

If all the picture cards are removed from a pack of cards, the sum of the values of the remaining is

- a) 55    b) 220    c) 54    d) 216

What is the min. no. of weighing operations required to measure 31 kg of rice if only one stone of 1 kg is available?

- a) 31    b) 6    c) 5    d) 16

The ratio of the no. of white balls in a bag to that of black balls is 1:2. If 9 grey balls are added the ratio of nos. of white, black and grey become 2:4:3. How many black balls were in the bag?

- a) 6    b) 9    c) 12    d) 8

There are 2 toy cars facing each other at a distance of 500 cm from each other. Each car moves forward by 100 cm at a speed of 50 cm/s and then moves backward by 50 cm at a speed of 25 cm/s. How long will it take for the cars to collide?

- a) 12s    b) 14s    c) 16s    d) 13s

It takes 8, 12 and 16 days for A, B and C resp. to complete a task. How many days will it take if A works on the job for 2 days then B works on it until 25% of the job is left for C to do, and C completes the work?

- a) 10 days    b) 14 days    c) 13 days    d) 12 days

A and B run in opposite directions from a pt. P on a circle with different but constant speeds. A runs in clockwise direction. They meet for the first time at a distance of 900 m in clockwise direction from P and for the second time at a distance of 800 m in anticlockwise direction from P. If B is yet to complete one round, the circumference of the circle is

- a) 1700m    b) 1250m    c) 1300m    d) 1200m

Bird A starts flying from P to Q at 9.00 A.M. and bird B starts flying from Q to P at 10.00 A.M. B is 50% faster than A. What is the time at which they meet if P and Q are 300kms apart and A's speed is 50kmph.

- a) 12 noon    b) 12.30pm    c) 11.30am    d) 11.00am

There are 6 cities, of which each is connected to every other city. How many different routes can one trace from A to B, such that no city is touched more than once in any one route

- a) 48    b) 60    c) 65    d) 72

In a group of 80 coins, exactly one is counterfeit and weighs less than the others. U are provided a scale to weigh to coins. The min. no. of weightings req. to determine the counterfeit coin is

- a) 4    b) 1    c) 5    d) none of these

Directions for questions 19 to 23 Mark a if the ans. Can be obtained using 1 and 2 independently Mark b if the ans. Can be obtained by using only one of the two statements. Mark c if the ans. Can be obtained by using both statements 1 and 2 but not either of them alone. Mark d if the ans. cannot be obtained by using 1 and 2

What is the selling price of product X

Profit as a % sales is 10%, cost price is Rs.27

Profit as % sales is 20%, cost price is Rs.20

Find the perimeter of the rear wheel of a cart?

1. When the cart moves 5m, the rear wheel moves R rotations less than the front wheel

The radius of the rear wheel is 3 times that of front wheel.

21. Is  $a-b+c > a+b-c$ . a, b, c are integers.
1. b is negative
  2. c is positive
22. What is the distance from mumbai to Nagpur?
1. Driving at 90kmph I reach nagpur 1 hr earlier than if I were to drive at 80kmph.
  2. Driving at 100kmph I covered 40% of the distance in 7 hrs.
23. What is the age of father and the son?
1. The ratio of their ages is 5:3 now and will be 3:2 in 10 years.
  2. The sum of their ages now is 80, and 5 years ago the ratio was 9:5.
24. A cube of 12cm sides is painted red on each side. It is cut into cubes of 3cm side each. How many of the smaller cubes do not have any side painted red?
- a) 8    b) 12    c) 16    d) 0

Directions for questions 25 to 28. Kamal Babu came home just after judging a beauty contest where there were four semi-finalists: Ms.Uttar Pradesh, Ms.Maharashtra, Ms.Andhra Pradesh and Ms.West Bengal. His wife was very keen on knowing who the winner was and kamal Babu replied immediately that it was the one wearing the yellow saree. When his wife asked for more details, he gave the following information:

The four girls were wearing saris of different colors (yellow, red, green, white) and the runner-up was wearing green. The four girls were sitting in a row, and Ms.West Bengal was not sitting at either end. There was only one runner-up and she was sitting next to Ms.Maharashtra. The girls wearing yellow and white saris occupied the seats at either end. Ms.West Bengal was neither the winner nor the runner-up. Ms.Maharashtra was wearing white. The winner and the runner-up were not sitting next to each other. The girl wearing the green sari was not Ms.Andhra Pradesh. Answer the following questions based on the above information.

25. Who was wearing the red sari?
- a) Ms.Andhra Pradesh                      b) Ms.West Bengal  
c) Ms.Uttar Pradesh                        d) cannot be determined
26. Between which two was Ms.West Bengal sitting?
- a) Ms.Andhra and Ms.Uttar  
b) Ms.Andhra and Ms.Maharashtra  
c) Ms.Uttar and Ms.Maharashtra  
d) Cannot be determined

27. What was the color of the sari that Ms.Uttar Pradesh was wearing?  
a) White    b) Green    c) Red    d) Yellow
28. What was the color if the sari that Ms.Andhra was wearing?  
a) White    b) Yellow    c) Red    d) Indeterminate

Directions for questions 29-31. Shweta, Tina, Uma and Vidya were playing a game. The rule of the game is that the loser doubles the amount of money that each of the other has. They play four games. A different girl loses each game-in reverse alphabetical order. At the end of the fourth game, each girl has Rs.32/-.

29. Who started with the lowest amount of money?  
a) Shweta    b) Tina    c) Uma    d) Vidya
30. Who started with the highest amount of money?  
a) Shweta    b) Tina    c) Uma    d) Vidya
31. How much did Uma have at the end of the second game?  
a) Rs.32    b) Rs.72    c) Rs.8    d) Rs.36

Directions for questions 32-33. Abel, Lucky, Bingo are three T.V. channels. A survey shows that 30%, 20%, and 85% of the people watch Abel, Lucky, and Bingo respectively. 20% of the people watch exactly two of the three channels and 5% watch none.

32. What % of the people watches all three channels?  
a) 0    b) 5    c) 10    d) 20
33. If another survey indicates that 20% of the people watch Abel and Bingo, and 16% watch Lucky and Bingo, then what % of the people watch only Lucky?  
a) 0    b) 5    c) 10    d) 20

Directions for questions 34-39. A museum curator must group 9 paintings- F,G,H,I,J,K,L,M,N,O in 12 spaces numbered consecutively from 1-12. The paintings must be in three groups, each group representing a different century. The groups must be separated from each other by at least one unused wall space. Three of the paintings are from the 18th century, two from the 19th century, and four from the 20th century.

Unused wall spaces cannot occur within groups. G and J are paintings from different centuries. J, K and L are all paintings from the same century. Space no. 5 is always empty. F and M are 18th century paintings. N is a 19th century painting.

34. If space 4 is to remain empty which of the following is true?  
a) Space no. 10 must be empty.  
b) The groups of paintings must be hung in chronological order by century.

- c) An 18th century painting must be hung in space 3.  
d) A 19th century painting must be hung in space 1.
35. If the paintings are hung in reverse chronological order by century, the unused wall spaces could be  
a) 1, 5 and 10                      b) 1, 6 and 10  
c) 4, 7 and 8                        d) 5, 8 and 12
36. Which of the following is a space that cannot be occupied by a 19th century Painting?  
a) Space 1      b) Space 6      c) Space 8      d) Space 11
37. If J hangs in Space 11, which of the following is a possible arrangement for spaces 8 and 9?  
a) F in 8 and M in 9                      b) K in 8 and G in 9  
c) N in 8 and G in 9                      d) 8 is unused and H in 9
38. If the 20th century paintings are hung in spaces 1-4 which of the following cannot true?  
a) Space 8 is unused      b) Space 9 is unused  
c) F is hung in space 6      d) N is hung in space 9
39. If the first paintings in numerical order of spaces are F, O, M, N, G which of the Following must be true?  
a) Either space 1 or space 4 is unused  
b) Either space 7 or space 12 is unused  
c) H hangs in space 11  
d) Two unused spaces separate the 18th and 19th century paintings
40. You have reached Utopia where you find two kinds of precious stones, rubies and emeralds. The worth of a ruby and that of an emerald is Rs.4 lakhs and Rs.5 lakhs respectively while their weights are 0.3 kg and 0.4 kg respectively. You have a bag that can carry maximum of 12 kgs. How many rubies and emeralds would you carry such that their total value is maximized?  
a) 20 rubies and 15 emeralds                      b) 8 rubies and 24 emeralds  
c) 0 rubies and 30 emeralds                      d) none of the above

#### CTS TEST Paper

Using the digits 1,5,2,8 four digit numbers are formed and the sum of all possible such numbers. 106656

Four persons can cross a bridge in 3, 7, 13, 17 minutes. Only two can cross at a time. Find the minimum time taken by the four to cross the bridge. 20

Find the product of the prime numbers between 1-20 Ans:9699690

2, 3, 6, 7--- using these numbers form the possible four digit numbers that are divisible by 4. ans----8

Two trains are traveling at 18kmph and are 60 km apart. There is a fly flying in the train. It flies at 80kmph. It flies and hits the second train and then it starts to oscillate between the two trains. At one instance when the two trains collide it dies. At what distance travel by the fly. Ans---12km

There are 1000 doors that are of the open-close type. When a person opens the door he closes it and then opens the other. When the first person goes he opens-closes the doors on the multiples of 1 i.e., he opens and closes all the doors. when the second goes he opens and closes the doors 2, 4 6 8 resly. Similarly when the third one goes he does this for 3 6 9 12 15th doors resly. Find number of doors that are open at last.666

There are 9 balls of these one is defective. Find the minimum no. of chances of finding the defective one.2

There are coins of Rs.5, 2, 1,50p, 25p, 10p, 5p. each one has got a weight. Rs 5 coin weighs 20gms.find the minimum number of coins to get a total of 196.5gms.

A can do a work in 8 days, B can do a work in 7 days, C can do a work in 6 days. A works on the first day, B works on the second day and C on the third day resly.that is they work on alternate days. When will they finish the work.(which day will they finish the work)  $(7+7/168)->>8$

A batsman scores 23 runs and increases his average from 15 to 16. Find the runs to be made if he wants to increase the average to 18 in the same match. 39

A man sells apples. First he gives half of the total apples what he has and a half apple. Then he gives half of the remaining and a half apple. He gives it in the same manner. After 7 times all are over. How many apples did he initially have?Ans:127

In a club there are male and female members. If 15 female quit then the number of males will become double the number of males. If 45 males quit no. of female becomes five times the number of males. Find the number of females. Ans: 160/3, 83/3

When I was married 10 years back my wife was the sixth member of my family. Now I have a baby. Today my father was dead and I had a new baby. Now the average age of my family is the same as that when I was married. Find the age of my father when he was. 60

I and two of my friends were playing a game. For each win I get Rs 3. Totally I had three wins. Player 2 got Rs9 and player 3 got Rs 12. How many games had been played? 10

A person gives a secret to two other persons in 5 minutes. How long will he take to tell the secret to 768 people?

There are 40 seats in a bus. People agree to share the money for the number of seats. The total money comes to 70.37. How many seats were free? Ans: 31

I had Rs100 and I play. If I win I will hav Rs110 and if I lose I will have Rs90. at the end I have 2 wins and 2 lose. How much do I have? Ans: Rs. 100

There were sums related to diagrams. They asked to calculate the areas of the circle, rectangle that were enclosed in other objects. They were simple. There were many questions on logical reasoning.

Eg: There are two identical islands. Same tribe lives in the islands. But their receptiveness varies.

This is the question. There were four choices and we have to select the most appropriate one.

For the above one the answer is ----- because of climatic changes There was a question in which they

gave a polygon with all the external angles. We have to calculate the asked interior angle

19 A says " the horse is not black".

B says " the horse is either brown or grey."

C says " the horse is brown"

At least one is telling truth and atleast one is lying. tell the colour of horse?

Answer : grey

20. A son and father goes for boating in river upstream . After rowing for mile son notices the hat of his fathefalling in the river.After 5 min. he tells his father that his hat has fallen. So they turn round and are able topick the hat at the point from where they began boating after 5min.

Tell the speed of river? Ans...6 miles/hr

21.  $A+B+C+D=D+E+F+G=G+H+I=17$  where each letter represent a number from 1 to 9. Find

out what does letter D and G represent if letter  $A=4$ . (8 marks)                      Ans.  $D=5$   
 $G=1$

22. Argentina had football team of 22 player of which captain is from Brazilian team and goalki from European team. For remainig palayer they have picked 6 from argentinan and 14 from european.

Now for a team of 11 they must have goalki and captain so out of 9 now they plan to select 3 from rgentinian and 6 from European. Find out no of methods avilable for it. (2 marks)

Ans : 160600 ( check out for right no.  $6C3 * 14C6$ )

23 Three thives were caught stealing sheep, mule and camel.

A says " B had stolen sheep "

C says " B had stolen mule"

B says he had stolen nothing.

The one who had stolen horse is speaking truth. the one who had stolen camel is lying . Tell who

had stolen what? Ans. A- camel ;B- mule ;C- horse

24 A group of friends goes for dinner and gets bill of Rs 2400 . Two of them says that they have

forgotten their purse so remaining make an extra contribution of Rs 100 to pay up the bill. Tell the

no. of person in that group. Ans - 8 person



25 In a colony there are some families. Each of them have children but different in numbers. Following are conditions:

A) No of adult no of sons no of daughters no of families.

B) Each sister must have atleast one brother and should have at the most 1 sister.

C) No of children in one family exceeds the sum of no of children in the rest families.

D) Tell the no of families.(5 marks)

Ans : 3 families

26 There are 6 people W,H,M,C,G,F who are murderer , victim , judge , police, witness, hangman.

There was n eye witness only circumtancial witness. The murderer was sentenced to death.

read following statement and determne who is who.

1. M knew both murderer and victim.
2. Judge asked C to discribe murder incident.
3. W was last to see F alive.
4. Police found G at the murder site.
- 5 H and W never met.

CTS TEST Paper

Using the digits 1,5,2,8 four digit numbers are formed and the sum of all possible such numbers. 106656

Four persons can cross a bridge in 3, 7, 13, 17 minutes. Only two can cross at a time. Find the minimum time taken by the four to cross the bridge. 20

Find the product of the prime numbers between 1-20 Ans:9699690

2, 3, 6, 7--- using these numbers form the possible four digit numbers that are divisible by 4. ans----8

Two trains are traveling at 18kmph and are 60 km apart. There is a fly in the train. It flies at 80kmph. It flies and hits the second train and then it starts to oscillate between the two trains. At one instance when the two trains collide it dies. At what distance travel by the fly. Ans---12km

There are 1000 doors that are of the open-close type. When a person opens the door he closes it and then opens the other. When the first person goes he opens-closes the doors on the multiples of 1 i.e., he opens and closes all the doors. When the second goes he opens and closes the doors 2, 4, 6, 8, etc. Similarly when the third one goes he does this for 3, 6, 9, 12, 15th doors, etc. Find number of doors that are open at last. 666

There are 9 balls of these one is defective. Find the minimum no. of chances of finding the defective one. 2

There are coins of Rs.5, 2, 1, 50p, 25p, 10p, 5p. each one has got a weight. Rs 5 coin weighs 20gms. Find the minimum number of coins to get a total of 196.5gms.

A can do a work in 8 days, B can do a work in 7 days, C can do a work in 6 days. A works on the first day, B works on the second day and C on the third day, etc. that is they work on alternate days. When will they finish the work. (which day will they finish the work)  $(7 + \frac{7}{168}) \rightarrow 8$

A batsman scores 23 runs and increases his average from 15 to 16. Find the runs to be made if he wants to increase the average to 18 in the same match. 39

A man sells apples. First he gives half of the total apples what he has and a half apple. Then he gives half of the remaining and a half apple. He gives it in the same manner. After 7 times all are over. How many apples did he initially have? Ans: 127

In a club there are male and female members. If 15 female quit then the number of males will become double the number of females. If 45 males quit no. of female becomes five times the number of males. Find the number of females. Ans:  $160/3, 83/3$

When I was married 10 years back my wife was the sixth member of my family. Now I have a baby. Today my father was dead and I had a new baby. Now the average age of my family is the same as that when I was married. Find the age of my father when he was 60

I and two of my friends were playing a game. For each win I get Rs 3. Totally I had three wins. Player 2 got Rs9 and player 3 got Rs 12. How many games had been played? 10

A person gives a secret to two other persons in 5 minutes. How long will he take to tell the secret to 768 people?

There are 40 seats in a bus. People agree to share the money for the number of seats. The total money comes to 70.37. How many seats were free?Ans: 31

I had Rs100 and I play. If I win I will hav Rs110 and if I lose I will have Rs90. at the end I have 2 wins and 2 lose. How much do I have? Ans: Rs. 100

There were sums related to diagrams. They asked to calculate the areas of the circle, rectangle that were enclosed in other objects. They were simple. There were many questions on logical reasoning.

Eg: There are two identical islands. Same tribe lives in the islands. But their receptiveness varies.

This is the question. There were four choices and we have to select the most appropriate one.

For the abov one the answer is ----- because of climatic changes There was a question in which they

gave a polygon with all the external angles. We have to calculate the asked interior angle

19 A says " the horse is not black".

B says " the horse is either brown or grey."

C says " the hoese is brown"

At least one is telling truth and atleast one is lying. tell the colour of horse?

Answer : grey

20. A son and father goes for boating in river upstream . After rowing for mile son notices the hat of his fathefalling in the river.After 5 min. he tells his father that his hat has fallen. So they

turn round and are able to pick the hat at the point from where they began boating after 5min.

Tell the speed of river? Ans...6 miles/hr

21.  $A+B+C+D=D+E+F+G=G+H+I=17$  where each letter represents a number from 1 to 9. Find out what does letter D and G represent if letter A=4. (8 marks)      Ans.  
D=5 G=1

22. Argentina had football team of 22 players of which captain is from Brazilian team and goalkeeper from European team. For remaining players they have picked 6 from Argentinian and 14 from European.

Now for a team of 11 they must have goalkeeper and captain so out of 9 now they plan to select 3

from Argentinian and 6 from European. Find out no. of methods available for it. (2 marks)

Ans : 160600 (check out for right no.  ${}^6C_3 * {}^{14}C_6$ )

23. Three thieves were caught stealing sheep, mule and camel.

A says " B had stolen sheep "

C says " B had stolen mule "

B says he had stolen nothing.

The one who had stolen horse is speaking truth. the one who had stolen camel is lying .  
Tell who had stolen what? Ans. A- camel ;B- mule ;C- horse

24. A group of friends goes for dinner and gets bill of Rs 2400 . Two of them say that they have forgotten their purse so remaining make an extra contribution of Rs 100 to pay up the bill. Tell the no. of person in that group.      Ans - 8 person

25. In a colony there are some families. Each of them have children but different in numbers. Following are conditions:

A) No. of adults, no. of sons, no. of daughters, no. of families.

B) Each sister must have at least one brother and should have at the most 1 sister.

C) No. of children in one family exceeds the sum of no. of children in the rest families.

D) Tell the no. of families. (5 marks)

Ans : 3 families

26 There are 6 people W,H,M,C,G,F who are murderer , victim , judge , police, witness, hangman.

There was n eye witness only circumtancial witness. The murderer was sentenced to death.

read following statement and determne who is who.

1. M knew both murderer and victim.
2. Judge asked C to discribe murder incident.
3. W was last to see F alive.
4. Police found G at the murder site.
- 5 H and W never met.

CTS 98

IIT MADRAS

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###

analogies

-----

1. slur : speech

ans: smulge : writing (choice is B)

7. cpahlet : shoulder

ans: ring : finger (choice is C)

8. vernanlar : place

ans: finger print : identical (choice is B)

opposite

-----

9.corphlent

ans: emaciated (choice is D)

10. officious

ans: pragmate (choice is D)

11. dextrous

ans: clumsy (choice is B)

12 -14: each sentense is broke to four sections a,b,c,d.choose which has

mistake mark (e) if you find no mistake.

12:a)psychologists point out that b)there are human processes  
c)which does not involve d) the use of words  
(choice is A)

13:a)jack ordered for b)two plates of chicken c)and a glass d)of water  
(choice is A)

14:a) politics is b) (choice is A)  
(are)

16 - 20: each question of group of questions is based on a passage or a set of conditions for each question,select the best answer choice given.

(i).if it is forbidden by law if the object of agreement is the doing of an act, that is forbidden by law the agreement is void.

(ii). if it is of the nature that,it would defeat the provision of any law is the agreement is void.if the object of agreement is such that thing got directly forbidden by law it would defeat the provision of statutory law.

(iii). if the object of agreement is fraudulent it is void.

(iv). an object of agreement is void if it involves or implies to the personal property of another.

(v). an object of agreement is void where the constant regards as ignored.

(vi). an object of agreement is void where the constant regards is as opposed to public policy.

17. A,B,C enter an agreement for the division a many them of gains acquit or by be acquit by them by them by the argument is void as  
ans: ---- (choice is D)

21-25) An algorithm follows a six step process za,zb,zc,zd,ze,zf, it is governed by following

(i) zd should follow ze

(ii) the first may be za,zd or zf

(iii) zb and zc have to be performed after zd

(iv) zc must be immediately after zb

21) ans:- D

22) if za the first set zd must be

a) 3rd b)5th c)2nd d)4th ans:- A or D (probably a)

23) zf can be 3rd or 5th-----any of the six, first, second or fourth only, any of first four only

none these

ans:- B

24) if zb must follw za then a)za can only 3rd or fourth  
b) first or second c) can not be third d) fourth or fifth e)none

ans:- A

25) ze is third term the no of diff operations possible is

ans:- D (dabad)

26-31) ravi plans six sep-- x,y,z,w,u,v in rows no 1 to 6 ,according to the  
follwing conditions

he must plant x before y and u

he must plant y &quot; w

the 3rd has to be z

26) which could be in order

a) xuywzv b) xvzyuw c)zuyxwv d)zvxuwy e) wyzuvx

ans:- B

27) which is true

a) z before v b) z before x c) w before u d) y before u

e) x before w

ans:- D

28) if he plans v first which is second

x,y,z,w,u

so ans is 'x'.

choice is A.

29) which is true

a) x,3 b)y,6 c)z,1 d)w,2 e)u,6

ans:- E

30) if he plans b 6th which would be first and second

a) x and w b) x and y c)y and x d)w and z e) w and u

ans:- B

31) if he plans w before u and after v he should plan w at

a) first b)second c)fourth d)fifth e)sixth

ans:- D

32)thursday

33)a&amp;d

34)south hit

35)

36)at a certain moment a watch shows 2 min lag although it is fast.if it  
showed a 3 min lag at that moment ,but gain 1/2 min more a day than it does.  
it would show the true time one day sooner than it usually does .how many  
mins does the watch gain per day.

a).2 b).5 c).6 d).4 e).75

ans : e

---&gt;(discount problem) 20%-&gt;15%then-&gt;32% (ans:32%)

37)in 400m race a gives b a start of 7 sec & beats by 24m.in another race

a beats by 10 sec.the speeds are

a)8,7 b)7,6 c)10,8 d)6,8 e)12,10

ans:c(10,8)

38) $3x+4y=10$

$x^3+y^3=6$  minimum value of  $3x+11y=?$

ans=?

39)0.75

40)-

41)sink---7.7kms---&gt;

fills  $2\frac{1}{4}$  t is 5.5 min. 92 tonnes enough.. sink throws out 18 tonnes/hr.

avg. speed to

a)1.86 b)8.57 c)9.4 d)11.3 e)10.7

42) . \_\_\_\_\_

/\ 2 2 cms

/\_a\_\ \_\_\_\_\_

/\ 3 2 cms area of the d=50 cm square

/\_\_b\_\_\ \_\_\_\_\_ what is the area of the b=?

/\ 4 2 cms

/\_\_\_\_\_c\_\_\_\_\_ \ \_\_\_\_\_

/\ 5 2 cms ans=(10.7)

/\_\_\_\_\_d\_\_\_\_\_ \ \_\_\_\_\_

43)600 tennis players

4% -&gt;wrist band on one wrist

of remain 96%-&gt;25%-&gt;on both hands

remain no of ---(ans:312)

44)312(doubt) or 432

45)in how many ways 5e,6s,3f be arranged if books of each language are to be kept together

17,64800,90,58400,3110400

ans: $e(3!*5!*6!*3!=3110400)$

46)---

47)three types of the a,b,c costs Rs. 95/kg,100/kg&70/kg .how many kg of each be blended to produce 100 kg of mixture worth Rs.90/kg,gives that

the quantities of b&c are equal

a)70,15,15 b)50,25,25 c)60,20,20 d)40,30,30

ans:b

48)water milk problem

49) $x+y+z=w$

q)two distinct no's are taken from 1,2,3,4.....28

a)probably that the no is 6 --&gt;1/14



- b) probably that it exceeds 14 --> 1/28
  - c) both exceed 5 is 3/28
  - d) less than 13 --> 25/28 (24/28)
  - e) none
- ans: d
- 51) 1200 died 6  
due to acc 7
- 55) 170%
- 56) c

### CTS '99 Pondicherry

SECTION I - 8 questions.  
Series.

1. Interchange of letters in a word and the adjacent letters are also to be changed. given letters series like [also few condotions]

AAABBB=

ABABAB=

LET QUESTION IS ABBAAB

If we apply 25 on this it means we have to interchange the letters at positions 2 and 5, and we have to change the adjacent letters 2 and 5 from A to B and B to A.

That is q's A B B A A B

after Step 1 i.e interchange 2 and 5.

now change adjacent elements of 2 and 5...finally answer becomes

Ans: B A A B B A

//Hint: As per question papers 5 questions above like but numbers change.

REMAINING 3 QUESTIONS:

6. To get AAABBD from BBBAAA what ot apply:-

- a) 25 b) 34 c) 25 & 34 d) none

### SECTION II

1. Given the function  $f(n a b c) = ac$  if  $n=1$

$f(n a b c) = f(n-1 a b c) + f(1 a b c) + f(n-1 b a c)$

if  $n > 1$

$f(2) = ?$

Ans:  $f(2 a c b) = ab + ac + bc.$

2. similar question in functions.

3. [ based on function in 1.]  $f(4 a b c)$  the number of terms is...?

Ans:  $f(4abc) = f(3acb) + f(1abc) + f(3bac)$  etc.  
 $= 5ab + 5ac + 5bc$ .  
4.  $f(5abc) = ?$

### SECTION III

Permutations and Combinations.

8 questions.

1.  $r$  = number of flags;  
 $n$  = number of poles;  
Any number of flags can be accommodated on any single pole.

i)  $r=5, n=5$  The no. of ways the flags can be arranged ?  
ii) to iv) are based on this.

6.  $r=5, n=3$ . If first pole has 2 flags, third pole has 1 flag  
how many ways the remaining can be arranged?  
7.& 8. same as above.

### SECTION IV

Question consisting of figures consist of 4 small squares and every square having an arrow pointing in one Direction.

GRE test of reasoning.

hint: What is the next sequence if we tilt the figure by 90 degrees like that( clockwise and mirror images ? ).

### SECTION V

In this section first part of compound word is given. Select meaning of the second part from the choice given:

1. Swan
2. Swans
3. Fool
4. Fools
5. Stare
6. Lady

For all above 4 choices are given.....

Eg. Swan

a) category b) music c) --- d) none

Ans: Swansong is compound word. But song is not given as option. so  
b) music is answer.

TS 99 PAPER .

\*This paper contains 40 questions and time is 60mts.\*

CTS -REC'99(TRICHY)

SECTION-1:

Find the sequence:

( d is always NONE )

1. BC CE EG GK ?  
a)KN b)KU c)KM d)
2. AA AB BC CE?  
a)EG b)EH c)EI d)
3. AB EF JK QR ?  
a)YZ b)ZA c)AB d)
- 4.ACD EGL IKT MOB?  
a)QST b)QSZ c)QSY d)
- 5.AC CG GO OE?  
a)EJ b)EI c)EL d)
- 6.AE BH CM DU?  
a)EH b)EZ c) EB d)
7. AD DP PL LV  
a)VS b)VK c)VI d)
8. SE QU EN TI?  
a)CN b)BM c)AI or AZ d)

SECTION-II:

FIND THE VALUES FOR FOLLOWING PROBLEM:

$F(X) = 2X - 1 + f(X-1)$  if  $X$  NOT EQUAL TO ZERO

if  $f(X=0)=0$

9.  $f(5)$  VALUE

a)15 b)24 c)22 d)NONE

10.  $f(f(2))$

11.  $f(16) - f(15)$

12.  $f(16) + f(15) - 480$

13.  $f(f(x)) = 81$  THEN VALUE OF  $X =$

14.  $f(X) = 4f(X-1)$  THEN VALUE OF  $X =$

15.  $f(X) = f(X-1) + f(X-2)$  FOR  $X > 1$  THEN  $X =$

16.  $f(X) - f(X-1) = f(X-8)$  FOR  $X > 5$  THEN  $X =$

SECTION -III:

###In the following questions we are giving 'a word' which may not have any meaning. Find different possible words or palindromes for the word as per question.

I. for the following find no of distinct words that can be formed.

17. TYGHHTT  
A).420 B)1540 C)840 D)NONE  
18. TYGHHTY  
19. TYGHHTT  
20. TYGHHTT  
21. TYGHASD  
22. TYGHHTY

II Find NO OF POSSIBLE PALANDRAMS for following

23. TYGHHTY  
24. TYHHHTYH.

/\*dEAR FRIENDS DON,T CONFUSE WITH THE WORDS REPEATED.Iam sure.Words are same.They might have changed the questionsfor20,21,22.Concentrate on that respect\*/

25 to 32 are figures.Uhave to analyse them.He will give five figs.One is not correct

SECTION IV:

It having complete of figs.(26 -32)

SECTION -V:

For following first find out the anagram and then note the corresponding meaning.

33.TABLET(anagram means first u arrange the letters in correct order like (TABLET===BATTLE . so ans is FIGHT i.e. B)

34.RUGGED

35.GORE.

36.STASSI.

For all above choices are.

A) resentment B)Fight c)Help d) Monster

37. ENFOLD

38. LAMB

39. RECEDE.

40. PLEASE.

For above 4 choices are same

A)cuddle B)sleeping c)proclamation d)ointment.

**This is only a sample paper. We are not providing you with all the questions - just some questions to give you a general idea of the test pattern.**

Section I - 8 questions based on series.

1. These questions involve interchange of letters in a word at particular locations and also interchanging letters adjacent to those particular locations.Certain other conditions may also be given

For eg.

Let the word be ABBAABA

If we apply 25 on this, it means we have to interchange the letters at positions 2 and 5, also we have to change the letters adjacent to positions 2 and 5 i.e. from A to B and B to A.

A B B A A B after Step 1 i.e interchange of 2 and 5 becomes AABABB

Now change adjacent elements of 2 and 5...finally answer becomes

Ans: B A A B B A

*Questions 1-5 are based on the pattern with changed numbers as described above*

*Questions 6-8 are of the following type*

To get AAABBD from BBBAAB what number should be applied:-

- a) 25
- b) 34
- c) 25 & 34
- d) none

## Section II

1. Given the following functions

$$(1) f(n a b c) = ac \text{ if } n=1$$

$$(2) f(n a b c) = f(n-1 a c b) + f(1 a b c) + f(n-1 b a c) \text{ if } n > 1$$

Then what is the value  $f(2 a b c) = ?$

Ans:  $f(2 a c b) = ab + ac + bc.$

2. Similar question on functions.

3. [Based on the function in the first question] For the function  $f(4 a b c)$  the number of terms is...?

*Hint*  $f(4 a b c) = f(3 a c b) + f(1 a b c) + f(3 b a c)$  etc.

4. What is the value of the function  $f(5 a b c) = ?$

## Section III

Permutations and Combinations.

8 Questions.

1.  $r$  = number of flags;  $n$  = number of poles;  
Any number of flags can be accommodated on any single pole.

1)  $r=5, n=5$  The no. of ways the flags can be arranged ?

Questions 2-5 are based on the above pattern

6.  $r = 5, n = 3$ . If first pole has 2 flags, third pole has 1 flag  
How many ways can the remaining be arranged?

Questions 7.& 8. are similar to Question 6.

#### Section IV

*Question consisting of figures - Pattern-matching type.*

Refer R.S Agarwal's book on Analytical Reasoning & TMHs Quantitative ability book by Edgar Thorpe.

#### Section V

In this section first part of compound word is given. Select meaning of the second part from the choice given:

1. Swan
2. Swans
3. Fool
4. Fools
5. Stare
6. Lady

For all above 4 choices are given.....

Eg. Swan ---> Swansong (compound word)

a) category b) music c) television d) none

Ans: Swansong is compound word. But song is not given as an option. so (b) music is the answer.

#### CTS Placement Paper

Analogies

1. slur : speech :: smudge : ?

Ans. writing

2. epaulet : shoulder :: ring : ?

Ans.finger

3. vernacular : place :: fingerprint : ?

Ans.identical

Opposites

Q. corpulent

Ans: emaciated

Q. officious

Ans: pragmate

Q. dextrous

Ans: clumsy

The following sentences are broken into 4 sections- A, B, C, D

Choose the part which has a mistake

Mark (E) if you find no mistake.

Q.A)psychologists point out that B)there are human processes C)which does not involve  
D) the use of words

Ans. (C) which does not involve (do)

Q.A)jack ordered for B)two plates of chicken C)and a glass D)of water

Ans. (A)jack ordered for

**The following is a group of questions is based on a passage or a set of conditions for each question.**

**Select the best answer choice given.**

(i). If it is forbidden by law if the object of agreement is the doing of an act, that is forbidden by law the agreement is void.

(ii). If it is of the nature that, it would defeat the provision of any law is the agreement is void. if the object of agreement is such that thing got directly forbidden by law it would defeat the provision of statutory law.

(iii). If the object of agreement is fraudulent it is void.

(iv). An object of agreement is void if it involves or implies to the personal property of another.

(v). An object of agreement is void where the constant regards as ignored.

(vi). An object of agreement is void where the constant regards is as opposed to public policy.

Q. An algorithm follows a six step process za,zb,zc,zd,ze,zf, it is governed by the following

- (i) zd should follow ze
- (ii) the first may be za,zd or zf
- (iii) zb and zc have to be performed after zd
- (iv) zc must be immediately after zb

Q. If za is the first set zd must be

- a) 3rd
- b) 5th
- c) 2nd
- d) 4th

Q. If zb must follow za then za can be

- a) third or fourth
- b) first or second
- c) can not be third
- d) fourth or fifth
- e) none

Q. If ze is third term the number of different operations possible are

**The following questions are based on the given statements**

Ravi plants six separate saplings -- x,y,z,w,u,v in rows no 1 to 6 ,according to the following conditions

He must plant x before y and u

He must plant y and w

The third has to be z

Q. Which of the following is acceptable?



- a) xuywzv
- b) xvzyuw
- c) zuyxwv
- d) zvxuwy
- e) wyzuvx

Q. Which of the following is true?

- a) z before v
- b) z before x
- c) w before u
- d) y before u
- e) x before w

Q. If he plants v first, then which can be planted second

- a) x
- b) y
- c) z
- d) w
- e) u

Q. Which of the following describes a correct combination of sapling and row?

- a) x,3
- b) y,6
- c) z,1
- d) w,2
- e) u,6

Q. If he plants b 6th which would be planted first and second

- a) x and w
- b) x and y
- c) y and x
- d) w and z
- e) w and u

Q. If he plants w before u and after v he should plant w at

- a) first
- b) second
- c) fourth

- d) fifth
- e) sixth

Q. At a certain moment a watch shows 2 min lag although it is running fast.  
If it showed a 3 min lag at that moment, but also gains by 1/2 min more a day than its current speed  
it would show the true time one day sooner than it usually does.  
How many mins does the watch gain per day.

- a).2
- b).5
- c).6
- d).4
- e).75

Q. In 400m race A gives B a start of 7 sec and beats him by 24 sec.  
In another race A beats B by 10 sec.the speeds are in the ratio

- a)8:7
- b)7:6
- c)10:8
- d)6:8
- e)12:10

Q.  $3x+4y=10$   
 $x^3 + y^3=6$

What is the minimum value of  $3x+11y=?$

Q. There are 600 tennis players  
4% wear wrist band on one wrist  
Of the remaining, 25% wear wrist bands on both hands  
How many players don't wear a wrist band?

Ans. 432

Q. Three types of tea the a,b,c costs Rs. 95/kg,100/kg and70/kg respectively.  
How many kgs of each should be blended to produce 100 kg of mixture worth Rs.90/kg,  
given that the quantities of band c are equal

- a)70,15,15
- b)50,25,25

- c)60,20,20
- d)40,30,30

Ans. (b)

Q. Two distinct no's are taken from 1,2,3,4.....28  
Find the probability that their sum is less than 13

### CTS Placement Paper

1. Using the digits 1,5,2,8 four digit numbers are formed and the sum of all possible such numbers.

Ans: 106656

2. Four persons can cross a bridge in 3,7,13,17 minutes. Only two can cross at a time. Find the minimum time taken by the four to cross the bridge.

Ans: 20

3. Find the product of the prime numbers between 1-20.

Ans: 9699690

4. 2,3,6,7  
using these numbers form the possible four digit numbers that are divisible by 4.

Ans: 8

5. Two trains are traveling at 18kmph and are 60 km apart. There is fly in the train. it flies at 80 kmph. It flies and hits the second train and then it starts to oscillate between the two trains. At one instance when the two trains collide it dies. Distance traveled by the fly when both trains collide is?

Ans: 12km

6. There are 1000 doors that are of the open-close type. When a person opens the door he closes it and then opens the other. When the first person goes he opens-closes the doors in the multiples of 1 i.e., he opens and closes all the doors. when the second goes he opens and closes the doors 2, 4 6 8 respectively. Similarly when the third one goes he does this for 3 6 9 12 15th doors respectively. Find number of doors that are open at last.

Ans: Square Numbers.

7. There are 9 balls of this one is defective. Find the minimum no. of chances of finding the defective one.

Ans: 3 times.

8. There are coins of Rs. 5, 2, 1, 50p, 25p, 10p, 5p. Each one has got a weight. Rs 5 coin weighs 20gms. Find the minimum number of coins to get a total of 196.5gms.

9. A can do a work in 8 days, B can do a work in 7 days, C can do a work in 6 days. A works on the first day, B works on the second day and C on the third day respectively that is they work on alternate days. When will they finish the work. (which day will they finish the work)

Ans:  $7\frac{7}{168}$  days

10. A batsman scores 23 runs and increases his average from 15 to 16. Find the runs to be made if he wants to increase the avg to 18 in the same match.

Ans: 39 Runs.

11. A man sells apples. First he gives half of the total apples what he has and a half apple. Then he gives half of the remaining and a half apple. He gives it in the same manner. After 7 times all are over. How many apples did he initially have.

Ans: 127 apples.

12. In a club there are male and female members. If 15 females quit then the number of females will become double the number of males. If 45 males quit no. of females becomes five times the number of males. Find the number of females.

Ans: Females: 175, Males: 80

13. When I was married 10 years back my wife was the sixth member of my family. Now I have a baby. Today my father was dead and I had a new baby. Now the average age of my family is the same as that when I was married. Find the age of my father when I was married.

Ans: 50.

14. I and two of my friends were playing a game. For each win I get Rs 3. totally I had three wins. Player 2 got Rs 9 and player 3 got Rs 12. How many games had been played?

15. A person gives a secret to two other persons in 5 minutes. How long will he take to tell the secret to 768 people?

16. There are 40 seats in a bus. People agree to share the money for the number of seats. The total money comes to 70.37. How many seats were free?

Ans: 9 seats.Rs.2.27

17.I had Rs100 and I play. If I win I will hav Rs110 and if I lose I will hav Rs90. at the end I hav 2 wins and 2 loses. How much do I have?

18. In a village, there is flood. In one village causalities were less than the other. Why?

Ans: There were better health care centres(HCC).

19. A person has Rs.100. If he wins he gains 10%. If he loses the game, he loses 10%. He wins twice and loses twice. How much he has at the end?

Ans: Always less than 100.

20. In A tribal group two groups live in different climatic conditions. Ear Sensitivity is tested and found that one has more when compared to other. What is the reason?

Ans: Depends on the physical place and condition he is living.

## CTS Placement Paper

### Aptitude Questions

1. If all the 6 are replaced by 9, then the algebraic sum of all the numbers from 1 to 100(both inclusive) varies by

Ans: 330

2. The total no. of numbers that are divisible by 2 or 3 between 100 and 200(both inclusive) are

Ans:67

3. From a pack of cards Jack, Queen, King & ace are removed. Then the algebraic sum of rest of the cards is

Ans: 216

4. The average temperature of days from Monday to Wednesday is 37 degree Celsius and that of from Tuesday to Thursday is 34 degrees. The temperature of Thursday is  $\frac{4}{5}$ th of Monday. Then the temperature of Thursday is

Ans: 36 degrees

5. Swetha, Tina, Uma and Vidya are playing a gambling. In this different people lose in different games-in the reverse alphabetical order. The rule is that if one loses she should double the amount of others. At the end of 4<sup>th</sup> game each of them have same amount of money (Rs.32). Which one of them started with the least amount? (6) Which one of them started with the largest amount of money? (7.) At the end of the 2<sup>nd</sup> game what is the amount of money with uma?

Ans: Vidya, Swetha, Rs.8

8. A cube of 12 mm is painted on all its side. If it is made up of small cubes of size 3mm. If the big cube is splitted into those small cubes, the number of cubes that remain unpainted is

Ans: 8

9. B is 50% faster than A. If A starts at 9 A.M. and B starts at 10 A.M. A travels at a speed of 50 km/hr. If A and B are 300 kms apart, The time when they meet when they travel in opposite direction is

Ans:12 noon

10. A graph will be there. Inside the graph sheet there will be a Quadrilateral. We have to count the number of squares in the Quadrilateral.

11. You are having 31kg of rice. You are provided with a 1kg stone for weighing. In how many weights the 31kg of rice can be weighed.

Ans: 5

12. A starts at 11:00AM and travels at a speed of 4km/hr. B starts at 1:00PM and travels at 1km/hr for the first 1hr and 2km/hr for the next hr and so on. At what time they will meet each other.

13. There are 80 coins, among them one coin weighs less compared to other. You are given a physical balance to weigh. In how many wieghings the odd coin can be found.

14. Dia of the circle 4cm. The shaded part is 1/3 of the square area. What is the side of the square.

Ans: root of 3pi

15. A,B,C, can do a work in 8,14,16 days respectively. A does the work for 2 days. B continues from it and finishes till 25% of the remaining work. C finishes the remaining work. How many days would have taken to complete the work.

16. Raja went to a beauty contest .his wife was eager to know the result he told that the lady wear a yellow sari was winner. Miss. Andhra Pradesh Miss. Utter Pradesh, Miss.

Maharashtra, Miss. West Bengal were the participants all the participants sat in a row. The conditions are (A) The woman wore yellow sari won the competition. (B) Miss. West Bengal was neither the runner-up or winner. (C) Miss. West Bengal was not at either ends. (D) Miss. Maharashtra wore the white sari. (E) The women wore white sari and yellow sari sat at extreme ends. (F) The runner-up and winner did not sit together.

**This was the passage given and the questions were asked on its basis.**

17. The ratio of white balls and black balls is 1:2. If 9 gray balls is added it becomes 2:4:3. Then what is number of black balls.

18. There are 10 coins. 6 coins showing head. And 4 showing tail. Each coin was randomly flipped (not tossed) seven times successively. after flipping the coins are 5 heads 4 tails one is hidden the hidden coin will have what.

19. Two cars are 500 cm apart. each is moving forward for 100 cm at a velocity of 50 cm/s and receding back for 50 cm at 25 cm/s at what time they will collide with each other.

20. People near the sea shore are leading a healthy life as they eat fish. but people at other part of the city are also healthy. Inference.

21. It is found from research that if you are a drunken then you have a less chance for chronic heart diseases. Inference.

22.  $A - B + C > A + B - C$  i) B is +ve, ii) B is -ve when it will hold true.

23. i) C.P is Rs 120 and profit is 30%

Ans:12

ii) C.P is Rs 210 and profit is 20%

we can find the S.P by using

i) only ii) only both i & ii neither i & ii

24. How will you find distance between Nagpur and Mumbai?

I took one hour more when I travel at 80 km/hr than at 90 km/hr.

25. 100 coins were collected by four persons each collected more than 10 each collected a different number each was an even number find what is the max possible no of coins, two more questions based on the same passage.

26. A car travels from B at a speed of 20 km/hr. The bus travel starts from A at a time of 6 A.M. There is a bus for every half an hour interval. The car starts at 12 noon. Each bus

travels at a speed of 25 km/hr. Distance between A and B is 100 km. During its journey ,  
The number of buses that the car encounter is.....

27. The ratio of the ages of the father and the son is 5:3, After 10 years it will be in the  
ratio 3:2. What will be their ages.

28. There was a Island. In that Island there was Rubys and Emeralds. Those were  
available in plenty. 0.3 kg of ruby is 4 lakhs and 0.4 kg of emeralds is 5 lakhs. Jayanth is  
buying 12 kg of Ruby and emerald. Choices will be given . Jayanth has to carry both ruby  
and emerald to the maximum profit.

29. Varun buys 8 books,10 pens and 2 pencils and Babu buys 6 books, 5pens and 5  
pencils. Babu pays 50% more than Varun. What is the amount Varun spends in buying  
pencils.

30. Prakash and Revathi rent a fancy shop. Prakash imposes the following restrictions on  
Revathi for buying clips,stickers and lip sticks. The number of clips is twice the no. of  
stickers. The no. of lipsticks should be more than the sum of clips and stickers. Cost of  
clip is 1 rupee. Cost of lipstick is twice the clips. Cost of 1 lipstick is the cost of four  
stickers. Then What is the amount that Prakash spends for Revathi. Answer choices will  
be given.

### CTS Placement Paper

Q.1

$S = (a,b,(c),(d))$

$T = (a,c,(d))$

$F(s) =$  Only the first element

$= (a)$

$G(s) =$  excluding the first element

$= (b,(c),(d))$

$H(s,t) =$  All element of S & T.

$= (a,b,(c),(d),a,c,(d)) = S$

Q.2

$a^b = 1 + a * (a^{(b-1)})$  when  $b > 0 = 1$  when  $b = 0$

i.  $4^2 = 21$

ii.  $4^3 = 85$

iii.

iv

v.  $(a^2)^b$

vi.  $(a^3)^1$



- vii.  $4^{(y+I)}$
- viii.  $4v$  (I don't know)

Q.3

There are 18 buttons, 6 red, 6 Yellow, 6 green. How many ways they can be arranged in

- i. 2 piles so there are equal no. of buttons in each pile.
- ii. 3 pile so that each pile contains 2 buttons of each color
- iii. in 2 pile so that all button of red and yellow are in diff. Piles.
- iv. In 3 piles so that each pile contains 3 buttons of two colors.
- v. In 2 piles so that each pile contains 3 buttons of yellow.
- vi. No piles are containing green and yellow and distribute in 2 piles.

Q.4 Unscramble the given words and find the first and last letter

- I. geometry
- II. equation
- III. algebra
- IV. humtrete. ( Ambiguous)---Meaning theorem
- V. arithmaic
- VI. trigonometry
- VII. mathemaics
- VIII. mathematics

Q.5

Somre Graphical interpretaion

Seven figure are given on each but in which 4 are of one type and three are of another type find the sequence of the 3 figures

HINTS= ». The triangles are pointing to corner or mid of the side

Eg:

There are two identical islands. Same tribe live in the islands. But their receptiveness varies. This is the question.

There were four choices and we have to select the most appropriate one.

For the above one the answer is ----- because of climatic changes

There was a question in which they gave a polygon with all the external angles. we have to calculate the asked interior angle.

**CTS Placement Paper**

Total Time: 1 hour.

Total Marks: 40.

Total Number of Sections: 5.

Total Number of Questions: 8 per Section.

Marking Scheme: 1 mark for correct, -.25 for wrong answer.

First section

Based on recursive function.

$M(a,b,c)$ -  $L(a)$  is if u delete 1st element from it

whatever is left.

$N(a,b,c)$ - $L(b)$  is 1st element of the list.

if  $(a,b)$  &  $a$  are two lists then  $M(l_1,l_2)$  is  $((a,b),a)$ .

$$\begin{aligned} X(a,l) &= a \\ &= L(a) \\ &= M(a,l) \end{aligned}$$

$$\begin{aligned} Y(a,l) &= l \\ &= L(b) \\ &= M(l,a) \end{aligned}$$

Based on this, eight questions were asked.

Second section

Based on arrangement of dominos.

Six Dominos are given. A figure created using these is also shown. But the alignment of the dominos in the figure is unknown. The question is to find out the possible alignment of the dominos.

Based on these, eight questions were asked.

Third section

Based on encoding & decodings.

Eg:-

- 1) if abacbb corresponds to bbcaba  
& acbbca corresponds to acbbca  
then baabcb corresponds to?

Ans: bcbaab. (Read the string in reverse)

- 2) if abcbac corresponds to bcbaca  
& acbacb corresponds to cbacba  
then abcabc corresponds to?

Ans: bcabca.(Rotate the string left by 1 letter)

Eight similar questions were asked.

Fourth section

Based on finding valid Strings.

Eg:-

1) if x G 0 0 y G y is a string

where x,y are variables which forms strings of G and contains at least one letter.Then which of the following is a valid string of the same language.

a) G G 0 0 G G G G G

b) G G 0 0 G G G G

Ans: What they mean is that x and y should be substituted using a consistent value in all the places.

In (a) put x=G, y = G G.

In (b) x=G , but the 1st occurrence of y is G and 2nd one is G G.

So inconsistent ... hence answer is (a)

In some case it may create ambiguity while we substitute the values of x,y.

Sufficient clues will be given in the question to handle this.

Eight similar questions were asked.

Fifth section

Based on Anagrams.

Eg:-

1) P \_ \_ S \_ \_ D \_

a) utopian b)convince c)pervade

Ans: What they mean is , to find the partiular synonym of the words given, that fill correctly in the blanks.

Hence, convince - persuade.

2) PERVERSE

3) DECADENT

## Real Time Experience of Test Takers

The overall standard of the paper is very tough.

Here, the highest was 27(nagpur -25). But even then they shortlisted 51 students. Those who got around 15 also got through. So no need to worry...as far as they plan to recruit in big numbers.

One cannot attempt the full paper. You better start with coding section(3)...and also finish 2, 4 sections. You may feel relaxed after this. Then go for the rest. It is better to leave the first section.(there is negative marking).As I'd told earlier ...the order of the sections may vary from paper to paper. I think the examples I specified here are enough to identify the corresponding sections.

Before interview you will be given One form to fill in some personal questions like your strengths, weakness; aim in the life; what do u expect from the company etc. It is better to take help from any English Teacher or after discussing with our friends.

Interview will be cool... Technical.....bit from unix shell prg...OOPS.. Whatever u say make sure u say in good english ..without "babbabba...." Or "pardon sir". I guess they value the communication skills very much

### CTS Placement Paper

#### Section 1

Try this at last because it is very tough and time consuming.

L1, L2 - lists

$$M(L1,L2) = L1 + L2$$

If , L = (a,b,c)

A(L) = a (first term); B(L) = (b,c) (except the first term)

I] P(L) = L if L=( ), & B(L)=( )

P(L) = A(B(L)) if L < ( ), and B(L)<( ) B(B(L))=( )

P(L) = M(A(L)), M(A(B(L)), P(B(B(L)))) if B(B(L)) < C

II] R(L) = L : B(L)=( )

R(L) = A(L) if L<( )

R(L) = M(dont know), R(B(B(L)))if B(B(L)) <( )

With the above instructions, find the following using iterations:

1. R(P(L)) where L=(a,b,(a,b),(b,a))

2. R(P(L)) where L=(a,(a),(b,b),b)

Example:

(1)P(L)=P(a,b,(a,b),(b,a))

where A(L)=(a)

B(L)=(b,(a,b),(b,a))

B(B(L))=((a,b),(b,a))

So, third condition is applicable

So,  $P(L)=M(a,M(b,P((a,b),(b,a)))$  find this using the same rule and iterate.

## Section 2

If GODG is a valid word, then the no. of valid words in the string (GGODGG, GGOGGD, GGOGDGGG, ....)

## Section 3

A 'TARGET' is a number and 'BRICK' has five numbers as clue. Use only four numbers (only once each number) from 'BRICK' using arithmetic operations, +,-,\*,/,() and attain the 'TARGET'

1. TARGET = 114 BRICK =

2. TARGET = 19 BRICK = 8,11,5,5,2

3. TARGET = 87 BRICK =

4. TARGET = 146 BRICK =

5. TARGET= 127 BRICK =

Ans: For Question number 2,

$$19 = (8+11-5+5)$$

$$\text{so ans} = (8,11,5,5)$$

## Section 4

Attend this section first.

Refer chapter - 17 from 'A MODERN APPROACH TO VERBAL, NON VERBAL REASONING' by R. S. Aggarwal. Page: 416 to 420.

There might be questions of following kind:

1. C\_G\_I\_\_NT

Ans: cognizant.

in answer you have to select the most probable meaning of cognizant. i.e. knowledgeable. other ans. are utopia, quixotic etc.

## Section 5

1. Head of attack (See "a")

Ans: attribute

2. Head of cuticls

Ans: cutlass

3. Garment leaves with article at end

Ans: cloaka

4. Good tailors does this

Ans: benefit

### CTS Placement Paper

#### Section 1

8 questions based on Series.

1. Interchange of positions of letters in a word and the adjacent letters are also to be changed. given letters series like [also few conditions]

Example:

AAABBB=

ABABAB=

Let the question is ABBAAB

If we apply 25 on this it means we have to interchange the letters at positions 2 and 5, and we have to change the adjacent letters 2 and 5 from A to B and B to A.

That is question's ABBAAB after Step 1 i.e interchange 2 and 5.  
now change adjacent elements of 2 and 5.

Finally answer becomes

Ans: B A A B B A

1. To get AAABBD from BBBAAB what to apply?

a) 25 b) 34 c) 25 & 34 d) none

#### Section 2

1. Given the function  $f(n a b c) = ac$  if  $n=1$

$f(n a b c) = f(n-1 a b c) + f(1 a b c) + f(n-1 b a c)$  if  $n \neq 1$

$f(2) = ?$

Ans:  $f(2abc) = ab + ac + bc$

2. Similar question on functions.

3. Based on function in question number 1., the number of terms in  $f(4abc)$  is...?

Ans:  $f(4abc) = f(3abc) + f(1abc) + f(3bac)$  etc. =  $5ab + 5ac + 5bc$ .

4.  $f(5abc) = ?$

### Section 3

8 questions based on Permutations and Combinations.

1.

$r$  = number of flags;

$n$  = number of poles;

Any number of flags can be accommodated on any single pole.

< BR >  $r=5, n=5$ . The no. of ways the flags can be arranged?

2. to 5. Same as above.

6.  $r=5, n=3$ . If first pole has 2 flags, third pole has 1 flag. How many ways the remaining can be arranged?

7.& 8. Same as above.

### Section 4

8 questions based on Figures consisting of 4 small squares and every square having an arrow pointing in one Direction.

GRE test of reasoning type.

Example: What is the next sequence if we tilt the figure by 90 degrees like that (clockwise and mirror images etc.).

### Section 5

8 questions based on Compound words & their meanings.

In this section first part of compound word is given. Select meaning of the second part from the choice given:

1. Swan
2. Swans
3. Fool
4. Fools
5. Stare
6. Lady

For all above 4 choices are given.

Example:

Swan

a) category b) music c) --- d) none

Ans: Swansong is compound word. But song is not given as option. so b) music is answer.

### **CTS Placement Paper**

Total Number of Questions: 40.

Total Time: 60 Minutes.

Section 1

Find the sequence:

1. BC CE EG GK ?

a)KN b)KU c)KM d) None

2. AA AB BC CE?

a)EG b)EH c)EI d) None

3. AB EF JK QR ?

a)YZ b)ZA c)AB d) None

4. ACD EGL IKT MOB?

a)QST b)QSZ c)QSY d) None

5. AC CG GO OE?

a)EJ b)EI c)EL d) None

6. AE BH CM DU?

a)EH b)EZ c) EB d) None

7. AD DP PL LV

a)VS b)VK c)VI d) None

8. SE QU EN TI?



a)CN b)BM c)AI or AZ d) None

### Section 2

Find the values for the following problems:

$$F(X) = 2X - 1 + f(X-1) \text{ if } X \neq 0.$$
$$f(0) = 0$$

9. Value of  $f(5)$  is?

a)15 b)24 c)22 d)None

10.  $f(f(2))$

11.  $f(16) - f(15)$

12.  $f(16) + f(15) - 480$

13. If  $f(f(x)) = 81$  the value of "x" is?

14. If  $f(X) = 4f(X-1)$  then value of "x" is?

15.  $f(X) = f(X-1) + f(X-2)$  for  $X \geq 1$  then value of "x" is?

16.  $f(X) - f(X-1) = f(X-8)$  for  $X \geq 5$  then value of "x" is?

### Section 3

Find the number of possible PALANDRAMS for following:

17. TYGHHTT

a).420 b)1540 c)840 d)None

18. TYGHHTY

19. TYGHHTT

20. TYGHHTT

21. TYGHASD

22. TYGHHTY

23. TYGHHTY

24. TYHHHTYH.

25 to 32 are figures. Uhave to analyse them.He will

give five figs.One is not

correct

Section 4

Analyse the sequence of following five figures & specify which one is not correct.

Questions mostly come from R. S. Agrawal

Question Numbers 25 to 32.

Section 5

Find out the Anagrams and then note the corresponding meaning:

33.TABLET

Ans: Anagram means first u arrange the letters in correct order like  
(TABLET===BATTLE . so ans is FIGHT i.e. b.

34.RUGGED

35.GORE

36.STASSI

For all above choices are

A) resentment B) Fight c) Help d) Mon

### CTS Placement Paper

1. If  $[x]$  indicates integral of  $x$  i.e is the largest integer less than  $x$  and  $|x|$  indicates absolute value of  $x$  then what is the maximum value of  $[x]/|x|$ .

A. 1 B. 0 C.-1 D. None of these Ans: A

2. In the above question what is the minimum value of  $[x]/|x|$ .

A. 1 B. 0 C.-1 D. None of these Ans: D

(3-6) If the clock(Conventional clock with numbers from 1 to 12 in order) is cut into 3 pieces such that the sum of numbers on each piece are in Arithmetic Progression(A.P) with a common difference of 1.

3. What is the sum of even numbers in the group where 5 is present?  
A. 4 B. 10 C. 12 D. 14 Ans: B
4. What is the product of all numbers in the group in which 12 is present  
A. 212 B. 252 C. 244 D. None of these
5. What is the count of numbers in each piece.  
A. 2,2,5 B. 5,5,2 C. 3,4,5 D. 6,4,2 Ans: C
6. What is the count of numbers in each piece.  
A. 2,2,5 B. 5,5,2 C. 3,4,5 D. 6,4,2 Ans: C
7. Avinash takes 15 days to complete a work and Bada takes 12 days to complete the same work. If they work in alternate days, In how many days they finish the work.  
A. 13 days B.  $13 \frac{1}{4}$  days C.  $6 \frac{1}{4}$  days D. None Ans:
8. There is a circular track of length 400 mts. If A and B Starts at the same point but in opposite direction with a speeds of 8 m/sec and 12 m/s respectively. Then at what time after the beginning they will meet for the second time.  
A. 1hr 40 sec B. 20 sec C. 40sec D. 3hr 20 sec Ans: C
9. In the above question when will they meet for the first time at the starting point.  
A. 1hr 40 sec B. 20 sec C. 40sec D. 3hr 20 sec Ans: A
10. If the vertices of the triangle are A(1,2), B(-2,-3) and C(2,3) then which is the largest angle?  
A. Angle(ABC) B. Angle(BAC) C. Angle(ACB) D. None Ans: B
11. If (-1,0), (0,-1) and (-1,-1) are three vertices of a square then what is the 4th vertex.
12. If  $[x]$  indicates integral of x i.e is the largest integer less than x and  $|x|$  indicates absolute value of x then find the value of  
 $[1.99]+[-2.99]+[1.03]+[2.50]$   
A. 2 B. 1 C. -2 D. -5

Ans: A

Step1: Add all the numbers

Step2: If it is less than 10 STOP, else go to Step1.

13. If  $X=6724$  then what is the end result after applying the above algorithm.

A. 19 B.10 C.1 D. None Ans:C

14. If the 4 numbers are arranged in all possible orders then how many solutions are possible.

A. ONE B. TWO 3.THREE 4. NONE Ans A

15. A trader frauds by 10% while buying and 10% while selling the same. What is the total gain he obtained during the transaction?

A. 13 B.221/4 C.20 D.None of these Ans.

16. There are three cylinders with same height and surface area. If a new cylinder is created by melting these three with the same height as before what is the surface area of the new cylinder when compared to that of the previous.

A. 25% more B.50% more C.100% more D.None

17. If  $x=a$  then  $y=b$  except when  $x=b$  and  $y=a$ . If  $x=a$ , then p,q,r,s but when x not equal to a then p,q,r,s=e,f,g,h. If  $x=m$  or  $n$  then both characters preceding it and following it also equals the same with the precedence to the preceding character.

There r 5 questions based on the above.

#### Technical & HR questions

1. Transistor advantage over FET
2. Use of DFT.
3. Whether a DC source can be used to run a computer
4. Storage class in C ?
5. what type of I/O device is required for C.
6. Application of the various bands in Satellite communication
7. Process to convert a transistor to diode

8. effect of quantisation on the BW of a signal.

### HR Questions

9. How wud u like to spend 7 day holiday
10. what u expect from CTS
11. short term & long term goals
12. How u can contribute from ECE to software
13. Physical realization of Phase modulation.

### CTS 2006 Placement Papers

CTS PAPER 1st JULY 2006 Visakhapatnam

hi frns.....

I'm really very happy for getting into CTS from the campus recruitment in Andhra University. I want to share my experiences in the written and interview.

my written test started at 9.30am on 1st july. it consists sections.

1. Verbal ability

2 comprehensions, correct the sentences, finding the incorrect sentences, rearranging the order of sentences.

2. Aptitude

cubes sum , simple quants sum , venn diagrams,  $*= 0$  and  $\$ = 1$  code the nos accordingly

3. Mental ability

finding the odd man out from figures, completing the series of figures, finding the odd man out from the figures..

the written was very easy just if u can manage time u can get thru. Otherwise the time will not be sufficient for the xam (especially for the verbal section). Our results came by 1.30pm. out of 559 appeared 229 got thru the written.

my interview time was 3.45. i went into the interview hall by 4.45. here is my order of interview questions(tech and HR combined).

1. why did u came for m.tech with out taking a job after completing ur b.tech.
2. r u interested in Cricket
3. what level did u play
4. r u batsman or bowler

after these questions he came to technical

1. he asked me about memory management in OS
2. 3rd normal form
3. foreign key constraint
4. diff b/w primary key and unique
5. he made me to write a query. ( top 4salary persons from the same table)

then he asked me the interested sub's. i told C and C++.

1. he asked me abt the diff b/w a abstract class and interface( i was shocked by that question and i answered him partially)
2. he asked me another question from interfaces( i just told him that i doesn't know interfaces deeply)
3. he asked me the interested topics in OOPs( i told polymorphism and inheritance)
4. what is polymorphism

5. he made me to write a program on that

he switched to UML. i told him that i just know the basics

6. he asked abt collaboration diagram

7. Sequence diag

8. Software development life cycle

thats all. my interview was for around 20-25mins. he was so cool and i left him with a firm shake hand.

results came by night 10.30 and my name is there.

CTS took 71 members out of 229.

for the written exam R S Agarwal is enough for the appt section.

there are some questions on binary number system and the cube's painting problem is very very important. he asked about 5 ques on that in the mental ability section and 5 on binary num system(shifting and all those). for the verbal section u prefer barrons 12th edition. Verbal section contains the identifying right and wrong sentences(10 ques on that) and comprehension passages(too difficult).

very important is that especially the computer science students must know the Operating systems, C , C++, UML and DBMS. these are very important subjects and the interviewer completely asked questions from these subjects. just basics.

If u keep ur basics right u wil deffinetely select in CTS.

CTS PAPER ON 1st SEPTEMBER AT BIJAPUR

Hi friends

Venue : B. L. D. A.'s college of Engg . And Tech.-Bijapur

Total appeared : About 650

Selected 4 interview : 131

Final Selection : 48

Company : COGNIZANT TECHNOLOGY SOLUTIONS

Post : Programmer Analyst Trainee

Package : 2.5lakhs during 1 year training & 2.7 after that.

Bond : No Bond.

Working : 8 hrs a day, 5 days a week.

I am very happy that I have been selected in world's best & fastest growing IT firm "COGNIZANT TECHNOLOGY SOLUTIONS". The most interesting thing is that I am Electrical & Electronics Engineering student.

Firstly there was a very interesting & happening PPT. Keep a good eye on the slides as its contents were asked in HR interview.

The MERITTRAC persons came & gave an OMR sheet which consisted of a form with following details to b filled. NOTE: Be confident of the content u r filling as the HR was having the same in his hand during interview. Don't forget 2 bring a well prepared resume & stamp size photograph along with Xerox of all ur marks card fm 10th up till ur last sem. Questions 2 b filled in that form:

Name:

Date of Birth:

Address:



Permanent Address:

Phone:

Email ID:

Nationality:

10th Percentage

12th Percentage

If you have qualified through Entrance Exam the Score you got on the total is asked, you can also give your rank.

BE Percentage Semester Wise

Post graduation again Semester wise

Software Exposure

Interests, Hobbies & Extra co curriculum.

Prepare urself 2 ans them with supporting points like why, what it inculcates in u etc.

What is that a successful Software Professional requires and what that you have got?  
Just answer in 3-5 points and just tell them that you think you have them in you to be a successful Software Professional. Be good in your language and avoid mistakes.

Your Strengths and Weakness:

What u expect fm CTS

Short term & long term plans in CTS.

Please mention them with the reason following, this helped me reduce the interview time.

They will cross check by asking you the same questions in Interview so be careful to answer the same one's when asked no new once added to that. The papers will be taken back after the allotted time for each section.

The test consisted of three sessions and no negative marking.

Date 01 September 2006

Verbal

Analytical

Reasoning

Verbal (20 Ques & 20 Min)

It basically consisted of 2 passages one is long and the other a short one, and que based on it. 5 questions like select the correct sentence from 5 choices given (there can be more

than one sentences like both a& b, a alone, both b & c and so on). Then comes choose the incorrect sentence, then there is also things like rearrange the sentence for form a paragraph.

The section was really tough so b prepared. Frnds rembr this is important first do the grammar part and then go for the passage or else a lot of time will be lost. But I was truly opposite in my case as the grammar was really tough so the only scoring part was passage. Try to do better in this session because I thing there is no separate cut off.

## 2. Quant and reasoning :( 25 ques & 20 Min)

It consist of questions from sets, cubes, coding decoding

Please go thru the set problems as there were 8 ques on this & I haven't ansed even one.

The problems were like a, b, c, d, e went to take photos in forest a took photos of Deer , b took that of elephant, c of horses, d of deer & elephant, e of elephant and horse. If a took 10,b took 14 ,c took 7, like that the find no. of horses, deer ,elephants.

If 1 is represented by \$ and 0 by # .then some binary conversions involving arithmetic operations were 2 b solved. There were 6 questions are based on it.

Then there is a question based on cubes like

A cube is cut into 125 pieces and another in 64 .Then they r joined together and one side of smaller part is removed then the whole assembly is painted black. Five questions are based on it like how many are painted, how may at least one side, two side, three sides painted like that.

The conversions and cube problems were my strength so I was really fast to do that and then making predictions on the set problems. I have made continuous 'd' for the set problems that I didn't knew how 2 solve.

Mental Ability :( 20 Ques and 20 min)

This is the best part where you can score a lot the question are from verbal and non verbal reasoning by RS Aggarwal. plz refer these chapters

1. Data sufficiency (Chap 16)
2. Logic (session 2 chap 1, doing the solved e.g. is enough)
3. Choose the odd man out of given 4 figures (simple fig are given, simple circles overdrawn, squares, pentagons and so on). Very simple.
4. 5 general aptitude Que.

Remember there is no negative marking so try your luck, God is with you guys.

No need to go through RS Aggarwal Quant Aptitude Just studies the verbal and non verbal reasoning of RS Aggarwal.

Interview (HR + Technical):

There were 9 panels & the candidates' fm our college i.e., GURU NANK DEV ENGINEERING COLLEGE , BIDAR, KARNATAKA who were from electrical sciences (ECE+EEE+CSE+ISE) were in panel 9.

The result of written was announced at 2:30 and interviews were scheduled fm 2:45. Mine was at 4:45.This was the 1st time I was facing it. The tension was really

building up as my name was approaching, the bpm was very high but as soon as I entered the room & ansed 1st que it became very-very cool. All the fear was gone once I was in the HOT-SEAT. It was like the combination of intro (HR) and viva (Tech). It lasted 40 min.

It was like this:

Me: May I come in sir (M)?

HR: Please.

HR: Please take ur seat.

Me: Thank u sir (with gentle smile).

HR: So r u Mr. Vinay Kumar Karodia?

Me: Yah.

HR: Can I have ur resume and mark sheet copies?

Me: Yes please (handed over to him).

HR: So u have got distinction in all the semesters?

Me: Yes.

HR: Nice.

HR: Tell me something abt ur self.

Me: Answered (always ans in a good sequence).

Then he came to the tech part

HR: (Looking at the subjects from the mark sheets) what is AM & FM?

Me: Answered. ( Always ans with e.g. & comparisons).

HR: What is power electronics?

Me: Answered.

HR: What are its applications?

Me: Answered.

HR: ok nice.

HR: So what r the types of variables in c.

Me: 3 types : static, local & global.

Me: Explained all of them with e.g. of declaration, area of use, lifetime & syntax.

HR: OK So what u study in electricals?

Me: Answered starting fm gen, trans, distri, & application.

(Try to give max of u in this type of que , tell him how wide is ur knowledge)

HR: How electricity is generated?

Me: Gave a long description fm diseal, hydro (types + turbine types), thermal, neuclear.

(Start fm simplest one & referring to is advantages & limitations proceed to the next. Compare the two & move to third. Show him ur knowledge & confidence. Use your hand to compare the things, explaining the shapes, movement, directions etc this shows your confidence level)

HR: Can u write a c program for me?

Me: Yah, written (the syntax & logic matters a lot)

HR: Nice.

HR: what r ur hobbies?

Me: Exploring softwares, programming, internet surfing & computer gaming.

HR: what u mean by exploring softwares? What kind of softwares?

Me: (very well prepared for this) sir, I am mainly involved with application softwares like those for internet surfing, imaging & entertainment and I am always in search of latest versions, comparing them with older once . Even my friends rely on me of the software advice.

(gave some e.g. of these)

Me: Like that recently I have downloaded OPERA 9.02 (web browser) which have these new features than the 9.01. (Gave few e.g.).

Likewise comparing OPERA with IE, we can copy the contents fm web page & maintain a separate note of them “inside” opera categorically which is not possible in IE, thus allocating seperate memory in opera (not in documents) and directly giving paste command at required fields also the download speed is very fast in this.

HR: Fine.

HR: Any extra cocurricular activity?

Me: I am third year Air wing NCC Cadet, told abt our activities in a wide story.

HR: So why r u not willing to join defense, why here in software industry?

Me: Sir I had joined the NCC with a moto to learn the discipline, leadership, teamwork, honesty, adjustments in any circumstances and I think I had got a lot fm it in last three years. Like we r having camps twice a year where we meet, interact & live with other cadets (outstation) to learn leadership, teamwork, adjustments etc. And I had severe interest in computers fm my childhood so I decided to go with it.

HR: good.

HR: Are u interested in newspapers or magazines?

Me: Sir I prefer newspaper rather than a magazine.

HR: Which one.

Me: The Hindu. (I was a little afraid & waiting 4 a discussion on current affair topic but....)

HR: Ok who is the PM of India ?

Me: Ansed with a sudden smile.

HR: and FM?

Me: Ansed.

HR: So how much u know abt CTS?

Me: only that much told in the PPT (Knew a lot but was not confident).

HR: And abt Infosys?

Me: A little.

HR: Who was the CEO who recently resigned?

Me: Told

HR: And the present.

Me: Sorry sir I don't know that.

HR: Who is CEO of CTS?

Me: Ansed.

HR: And the president?

Me: told.

HR: OK Nice.

HR: R u ok with working in Chennai? (This is a tricky que as the obvious ans is YES but add a supporting ans to this).

Me: (very confidently) Yah definitely. As I am fm defense background (father side IAF) so I can adjust myself in any place & in any circumstances. I am having no problems in working in south (as I am fm north: resume).

HR: Thank u Mr. Vinay (hand shake) have a nice day ur result will b announced at 6:00 .

Me: Thank u Sir. (Don't turn while leaving the room).

NOTE: Always give a supporting point to ur ans & with tech part if after long discussion if it seems u r wrong, continue it that way to prove your confidence & debating capabilities.

That's all.

So do well in written and u will be having a good time in interview.

The result was finally out at 8:30 .It was the most awaited moment of my life. My name was first to be announced fm my college and we were 9 fm our college. I rang upto my mom & believe me I was left speechless.

I was celebration time 4 me & my friends out there. But I was amassed with what my friend did with me when I came out with my call letter. They put me on their shoulders & given me a ride of whole college. Thanking them 4 that and the discussion we were having in college, during traveling & lodging which helped me a lot.

This experience I am writing to help the community of online papers which helped me a lot and dedicating it to my family & friends and to those who believe in themselves because confidence in the first step of success.

So friends b confident GOD is with u. All the best for your Future endeavors in getting placed in a good company.

#### CTS PAPER AND PATTERN ON 2nd AUGUST 2006 AT HYDERABAD

Hi Friends,

I just gave my interview yesterday.It was In-Campus placement for CTS and the pattern was very easy,and the best part I got selected.I would like to thank Freshersworld and the students who keep giving their thoughts on the selection procedure for it was the main source of help.It helped break the anonimity of what to expect and hence and helped me prepare on a focussed subjects and score very well.

CTS Pattern(Date Aug 2nd)

Total 60 minutes,No Negative marks,No Hit Ratio as well,NO Section Cut Off.

Verbal Ability 20 minutes 25 questions  
Quantitative 20 minutes 25 questions  
Analytical 20 minutes 25 questions

Followed by Interview(Technical + HR)



First the MeritTrac People will give you the Instruction Sheet and The OMR sheet. Please read the instructions carefully it will help you a lot. Then You will have to fill some information in fact a lot.

Please remember all the Semester Percentages and have them calculated on a sheet of paper. Have your Resume and a Photograph with you they will be pinned to your OMR sheet. So take an EXTRA RESUME.

Questions in the OMR SHEET:

Name:

Date Of Birth:

Address:

Permanent Address:

Phone:

Email ID:

Nationality:

10th Percentage

12th Percentage

If you have qualified through Entrance Exam the Score you got on the total is asked, you can also give your rank.

BE or BSC Percentage Semester Wise

Post graduation again Semester wise

Your technical subjects (Write only what's in your Resume)

What is that a successful Software Professional requires and what's that you have got?

Just answer in 3 points and just tell them that you think you have them in you to be a successful Software Professional. Be good in your language and avoid mistakes.

Your Strengths and Weakness?

Please mention them with the reason following, this helped me reduce the interview time.

They will cross check by asking you the same questions in Interview so be careful to answer the same one's when asked no new once added to that.

The papers will be taken back after the allotted time for each section.

Verbal Ability

5 on Finding the Correct Sentences.

5 on Finding the the incorrect Sentences.

5 on Arranging the Jumbled Sentences.

2 Reading Comprehensions with 5 Questions in Each.

Tip : First answer Correction of sentences, Finding the incorrect sentences and the Jumbled sentences and then read a Reading Comprehension that is short in textual matter in that order. First read the RC questions and then read the RC, You will get all the answers in no time.

RC for me was on McDonalds issue of how it is creating Obesity among the Negroes in US and how the company can be dragged to the court. And that the poor in the US are not thin like in other countries but in fact are obese and the reason being that they eat readily

available food from MCDonalds buying super saver packs. And how the company keeps all the details of the saturated fat contents concealed from the customers.

Quantitative:

5 on Venn Diagrams  
5 Data Sufficiency problems  
5 on Binary Numbers  
5 on Cubes  
Some Aptitude questions on Averages and Equations.

Tip: First do the Binary numbers problem, it's a direct lifting from the Book Quicker Maths by Tyra. It says substitute  $0=1$  and  $1=0$  and just solve the problems. There will be some catches like it doubles and things like that just forget them and go on doing its just plain Binary numbers.

->Data Sufficiency was very easy. One Question on Right angled triangle in which given 2 sides we are asked whether we can find the area with just one side given, or we need both.

->Then do the Venn Diagrams. Please practice these before you go, it's very easy and it uses 3 sets on a whole. Like there are painters, and they paint Abstract, Nature, Living and values are given and you need to solve for the intersection of those from the basic formula and you are 90% done with the questions.

->Cubes problem was a bit problematic but since I had already practiced a lot on it I was able to scrape through it.

Here is the Question :

There are 729 cubes and from the edges the 1st, 3rd, 5th, 7th and 9th pieces are removed and the remaining are painted in black.

- Que 1) Find the number not coloured black
- Que 2) Find the number with 2 sides Black
- Que 3) Find the number with 1 side black
- Que 4) Find the number with 3 sides black
- Que 5) Find the number with more than 3 sides black

First answer the last question its Zero since none can be colored with more than 3 sides.

Logic is 729 cubes means  $9 \times 9 \times 9$  cubes, so there are a total of 8 cuts on each perpendicular plane. Now on each plane you are removing the 1st, 3rd, 5th, 7th and 9th. Just add on each side and remember the 1st and 9th will be same for two adjacent edges and now start counting.

->A teacher has 120 sweets with him. If there were 4 students less then each of the students will get one more each. Find the number of students?

Analytical:

6 on Syllogisms  
2 on Logical Connectives  
2 on Picture based completion  
12 on Oddman out Picture based  
3 on Puzzles

Tips: First do the syllogisms its very easy just draw the venn diagrams and you will fly through the questions in no time. Please refer to the CAT books for these. All the questions are only based on

1) All Fans are Coolers  
Some Coolers are AC's

2) No Politician is Honest  
No honest person is intelligent

3) All fruits are vegetables  
All vegetables are green

-> The two on Logical connectives again from CAT and very easy and they just were from the LOGICAL Implication(  $p \rightarrow q$ ) and Logical OR

-> Nonverbal from RS Agarwal will help you a lot. Some easy questions in picture based to look forward will be the figures which are closed and open figures. There will be only one Closed figure and other open and surely and ODD man Out. There are questions on Alphabets. Please try and remember the Alphabet and the number related to it, since when you number them only one is odd others have even numbers, then only one is prime others are composite.

-> Puzzles do it at the last you will be quite relieved to have only 3 left and will be happy to do it.

Results will be announced in 2 hrs So please read your technical in that time. It will be helpful. Most of my friends who kept talking lost the focus and were caught on the wrong footing. Just focus once you complete the interview life is yours and you can enjoy then.

Now to the Interview:

Sorry guys I was very lucky and just had 3 mins of interview and all my friends had a solid 20 Min at the minimum each.

The Interviewer was a Male.

This is how it went, Mine was a stress interview and that I had done in well in the Written this was to be easy to scrape through.

As soon as I went in the interviewer asked me to wait outside. Be careful they are looking to see if you turn your back towards them just leave the way you entered. Then the interviewer himself came to the door and called me in. Please wait for the seat to be offered, they are very particular and please have a smile, do this before the interview before a mirror. Shocking was my first question for me:-

Interviewer : What is your Initial?

Me: Sir its S

Interviewer : So what does "S" stand for.

Me : Answered that

Interviewer : He then asked me my hobbies and when I started to answer he said stop, I want to know about you first, so Talk about Yourself. When I was Half Way into it I was again Stopped. Then he asked me about my achievements. Then again asked me to continue where I left.

Interviewer : So you know UNIX, So what is the Shell you work in (I was having Unix, Linux in my Resume, looks like no one had it he was very interested in me very soon)

Me : BOURNE shell (Its actually BASH Shell)

Interviewer : So do you know RDBMS

ME : Yes Sir

Interviewer : Whats Referential Integrity?

Me : Answered he was very happy after I gave that answer. (Then it was plain fun NO more Technical)

Me : In the mean time Tea had come and he offered me Tea but since there was only One Cup I said Sir, you have it. Then he ordered the person to get one more.

Interviewer : So you have won medals in 100 mt sprints and are a player at a high divisional level in Cricket (I play club cricket) So are you still continuing to play and run.

Interviewer : Thank You Sriram U can go.

Then after that he called me back and asked me So are u a member of any association like CAA. I said Yes sir, I had one Certificate for my Paper Presentations on Firewalls and Ethical Hacking.

Thats it guys my journey to CTS ended there and I was selected.

So please do well in your Written and you will have an easy time in Interview.

## CTS PAPER ON 2nd DECEMBER AT KOLKATA

Hi freshers,

I am Koyel Kujan Kundu from Kolkata, recently I have appeared for CTS offcampus on 2nd december, 2006. here I'm sharing my experience with u all, as it's very helpful,

I have selected finally in CTS.

Aptitude paper as usual, nothing new, that's why I'm not telling abt that, here only I share my Interview experience,

technical interview:

in my pannel there was one lady interviewer, she asked me first about myself, then my academic background (as it is very consistent from 10th to degree), she gave me some compliments, then she went through the form, asked me in details one by one

i] why CTS?

ii] short term, long term goal

iii] quality of good software professional

iv] expectations from CTS

v] expectations from U

vi] my hobbies & interests, as I told listening music, then she asked what kind of music, fav song, etc

then she offered me snacks, I told "no mam thankx". then she started my technical interview. as I told my fav subject RDBMS, she asked me diff question from "INDEX, TRIGGER, KEY, LOCKING". I didn't answer two questions regarding rowid & rownum I told confidently "I can't remember right now mam, but I heard the two terms," then she asked me the concept of paging, deadlock, process scheduling etc

almost 20 minutes over, then I had to wait for another round of HR interview

HR interview:

HR: tell me quickly what will you do after joining CTS?

me: I told my short term & long term goal, as I'm basically from ECE so I need a competitive, furnished training to establish myself as software professional, then I want to go through diff level of certification courses to upgrade myself continuously, in the long run I want to be the software architect.

HR: well till now what campuses you have attained?

me: I told my campus situation briefly

HR: you have any question to ask?

me: I asked him abt CMMI level certification as on dec 20 CTS, Coimbatore has achieved CMMI level 5 version 1.2 certification as first global organization. My interview was on 22nd dec

HR: he appreciated me & told me clearly, that's all abt my interview,

final list came on 29th dec, thankx GOD I was selected.

frnds in the Interview try to build ur confidence level high, perfect eye contact, good corporate etiquettes, speaking good english, never be nervous, if you don't know anything or know little, better you tell frankly "sorry sir/madam I don't know",

All the best,happy new year 2007 ahead of u, waiting for u all in CTS.

placement paper on SEPT 2 th 2006 AT GRIET

QUESTION PAPER contained 3 sections

VERBAL-----25question---20min

QUANTS N REASONING-----25 questions-----30min

general ability-----20questions ----20min

verbal part a bit tough bcoz time management plays a vital role bcoz questions r easily solvable but takes time so maintaing the pace really matters

the questions were based on

->correction of sentences

->finding error sentence

->arrangin 4 sentences in a logical order

->Reading comprehensions

plz attemt Reading comprehensions atleast that would fetch u more time to complete othe parts in verbal section.

QUANTS n Reasoning

the section starts with venn diagram problem based on which 4 different questions were asked

second question was about seating arrangement7 people

sanjay,samrat,sujoy,suneet,...total seven names were given some coditions were speciefies just if u first arrange the persons then u can fly through the questions following it.

next logical premises were given based onwhich questions like all dogs r cats some cats are micewts the conclusion

all the quant n verbal parts just practice CAT material n RS agarwal nonveral reasoning.

this really helped in solving questions in no time.

GENERAL ABILITY

the last part was so easy u can clear it in no time only just identifying odd figures from given set of four choices.

INTERVIEW:

the interview was on 3 sept 2006 my slot was at 1.00pm

the interview is based on the details in the sheet that is filled BEFORE exam which contains details like

1.ACADEMIC profile(X,inter,BTECH semwise marks,eamcet rank n marks etc).

2.software orientation(mention the subs of ur choice n be prepared to face questions on that).

3.wt do u expect from CTS.

4.activities n extracurricular profile(write ur achievements be precise don try to fill all the details of ur achievements be selective n striking).

5.short term n long term goals.

6.HOBBIES(reserve few bcoz u can use them in the HR PART)

INTERVIEW(tech+HR)

well i can say i had a stress interview, it was more of technical than HR, my HR was mr.ANUJ the person was too cool n friendly but he has posed me questions of a higher difficulty level he started with my intro (tell me abt ur self) then basic operating system definition ,databases(normal forms),then a tour of java starting with process n threads then again bac to mutual exclusion,semaphores..post which i really had atough time bcoz he asked me concepts of OOPS well i ezplained them then he gave me his cell phone and asked me to implement all OOPS concepts using the features in cell ,i explained he was really impressed by the last part....finally he said it was nice talking to uuu.  
so only mantra to get through INTERVIEW is being confident and just steal the whole show ,n expose ur talent.

### CTS PAPER ON 3rd DECEMBER AT HYDERABAD

hi friends,

iam madhurima

i would llike to thank the people who contributed papers which were helpful i took the exam on 3rd dec and was selected for the interview  
my interview was coooooooooooooooooooooooooool i would like to give u my interview questions there was only one person a the start but another joined in between so take care in wishing him

me: good morning sir

int: good morning madhurima can u tell me about urself

me :told

int :wat did u do in ur coll

me :told about my project (he was indirectly asking me about that only)

int: asked me about team size and details

me :i gave him

and another person (hr) joined us

i greeted him

int: software knowledge

me: c and datastructures (i mentioned in my application form)

int : difference between dynamic allocation and static allocation

me: told

int: binary searching

me: he gave me a paper and asked me to explain above i did

int : linked list do u have any idea

me: yes sir i explained single linked list ,doble linked list ,circular list

int: explain insertion in doublelinked list

me: explained

int: some project related questions

me: explained

int: real time application of my project

me: explained

int : some questions on searching

me: blah blah as iam not perfect i told something to cover those  
int: smiled and asked do u have any questions  
me: some questions about cts  
int: he smiled and answered  
me: thanku sir  
thats allllllllllllllllllll finished my interview iam waiting for my results plz pray for me t u  
can do it if u have confidance and basic knowledge in courses u have mentioned in ur  
application form

### CTS PAPER ON 3rd DECEMBER AT SECUNDRABAD

Hi Friends,

Iam santhosh. Iam very glad to say that i was selected for CTS.I would like to share my  
experience with you.

My interview experience:

Me: Good afternoon mam Iam santhosh

Inte:Good afternoon Sitdown

Me: Thank you mam

Inte:Iam chandrika. Tell me abt ur self(as usual )?

Me: I said only those points which are not in my resume.(I not even said my percentages  
also)

Inte:I think you have done your project in your curriculum

Me: S mam.In 4-2 I have done my project work

Inte:So explain abt your project?

Me: I explained(She posed some simple questions on my project)

Inte: You have Microprocessors in your curriculum,in which year do you have?

Me: I think it was in 3-2(after giving a pause of 3-4 seconds ), s sure mam it was in 3-  
2(even though i know the answer i pretended to be recollecting the answer)

Inte:What is Microprocessor?

Me: Said the defination.

Inte:What is microcontroller?

Me: Said the defination.and said the difference between MP&MC also.

Inte:What is ur Fav subject?

Me: I said C

Inte:What is pointer?

Me: Said the defination.

Inte:what is Factorial?

Me: Said the defination.

Inte:What is 4 factorial?

Me: I said  $4*3*2*1=24$ .

Inte:Can you write the logic for finding the factorial of a number?

Me: I wrote the logic using recursion.

Inte:What is Fibonacci series?

Me: said

Inte:tell me fibonacci series numbers?



Me: I said 1,1,2,3,5,8,.....

Inte:Is it correct?

Me: S mam sure

Inte:she said it starts with 0.

Me: S S mam.

Inte:write the logic for that one

Me: I wrote

Inte:Which loop can you use?

Me: I said either while or for or do-while

Inte:What is your second Fav subject?

Me: Digital design

Inte:Write truth table for Ex-or ,Nand,Nor,And gates?

Me: I wrote

Inte:Expression for Ex-or gate?

Me: Explained

Inte:Tell me the o/p for the ckt(Nand o/p,Nor o/p are connected to the i/p for And gate)(i/ps for Nand and Nor are:1,0)

Me: 0(explained)

This is all abt the Technical and Hr questions are:

Inte:What have you been doing for the past 4 months?

Me: I have joined in IEG(GPM)`s training

Inte:In what courses they are giving training?

Me: I said GD`s,Java,How to prepare for the companies.

Inte:So you know Java

Me: Only Corejava mam

Inte:You hav not written your resume

Me: Iam calm, Again I said I know only Corejava thats why i have not written

Inte:What is Class?

Me: (Actually i dont know) I said Binding of all the functions(i dont know it is correct or not)

Thank god she was not asked anything on Java

Inte:What are methods&functions?

Me: In java both are same mam

Inte:In C

Me: wait for a while and said same mam(i dont know same or not)

Inte:What are your Short term and Longterm goals

Me: Short-- Passionate to get a job in your organisation.

Long--To be stabilised in your organisation.

Inte:So you want to be with this company throughtout your career.

Me: S mam

Inte:You hav written in the form that skills required for s/w Engineer are Analytical,Logical,Communication skills

So you hav all these am i write?

Me: S mam

Inte:How many marks have you got in your inter mathematics?

Me: 299/300

Inte: You lost only one mark

Me: S mam

Inte: o.k You can leave

Me: Thank you mam

This is all about my interview. I hope this will help you to prepare for interview  
I would like to say something to you.

"DON'T LOSE YOUR CONFIDENCE AT ANY TIME"  
ALL THE BEST

CTS CAMPUS REQUIREMENT PAPER CONDUCTED ON JULY 3RD AT SSN  
COLLEGE OF ENG, CHENNAI (IMPORTANT)

NOTE: MERIT TRACT CONDUCTED THE APTITUDE TEST OF US

SELECTION PROCESS:

ROUND1: APTITUDE TEST

ROUND2: TECHNICAL & HR INTERVIEW (BOTH IN THE SAME PANNEL)

BOTH THE ROUNDS WERE CONDUCTED ON THE SAME DAY (JULY 3RD-  
RESULTS WERE LET OUT AROUND 10:30 PM ON THE SAME DAY

OUT OF 500 CANDIDATES 359 WAS SHORT SELECTED. THERE WERE 21  
INTERVIEW PANNELS. FINNLY 226 STUDENTS FROM OUR COLLEGE WERE  
SELECTED.

APTITUDE TEST (STARTED ON 11:30AM ON JULY 3RD)

IT HAD 3 SECTIONS. THE QUESTION PAPPER FOR EACH SECYION WAS  
TAKEN AFTER ITS TIME DURATION IS OVER.

SECTION1: VERBAL;

NO.QUESTIONS:20

TIME ALLOTTED: 20 min

1. Reading Comprehension: There were 2 reading comprehension both pretty difficult.
2. Finding the right sequence: In this type of questions 4 related sentences would be given. We need to find the appropriate ordering of sentence. 4 choices were given.
3. Find the incorrect/correct sentence: Out of the four sentences given we were asked to find which the correct/incorrect sentences are.

NOTE: THERE WAS NO SYNONYMS, ANTONYMS, SENTENCE COMPLETION AND ANALOGIES

SECTION2: QUANTS

NO.QUESTIONS:30

TIME ALLOTTED: 30min

1. GEOMETRY FIGURES: A cube sum was given. It was something like 8 cubes side of same length painted green on all sides is combined to one big cube

There were around 5-6 questions based on this. Like how many cubes were painted on only 3 sides.

2. A tricky question: there was a set of questions based on the following condition. ZERO IS REP BY \$ AND 1 BY #. AND EACH NO IS REPRESENTED BY ONLY \$ AND # E.g. 2->\$#. QUESTIONS WERE LIKE WHAT IS 96/32.

(THIS PROBLEM SHOULD BE SOLVED BY CONVERTING THE NUMBERS TO ITS BINARY VALUE).

3. QUESTIONS ON INTIAL SALARY FINDING: salary after 10 yrs were given. Conditions on Increments were also given

4. QUESTIONS ON KNOCK OUT TROURNAMENTS.

5. QUESTIONS ON VENN DIAGRAMS.

SECTION3: LOGICAL REASONNIG

NO.QUESTONS:20

TIME ALLOTTED: 20min

Expect 1 all questions were based on diagrams like finding the odd man out. The last question was based on path finding.

INTERVIEW QUESTIONS

Some technical questions were

What is a binary tree?? A tree was given and asked if it's a valid binary tree. If there are 16 address lines how many address spaces can be addressed do we always use base 2 to represent address spaces?

What is segmentation?

If a program is 62 MB. And RAM size is 32 MB. What should be the page size? what should be the max and min swaps done during paging

What are virtual base classes and virtual functions?

If a variable is not declared in a program. How the compiler does know it. What is the error message given?

Which data structure is used to represent a binary tree? And y.  
write a prog to implement stack, doubly linked list,

Some hr questions were

1. Tell me about ur self
2. Y do u wanna get into CTS
3. What if u r getting a job in CTS N ANOTHER HIGH PAYIN COMPANY which one will u choose.
4. about my hobbies and weakness. 5. abt the book u read recently

NOTE: IF PROJECTS WERE DONE QUESTIONS WERE ASKED ABOUT IT'S PRACTICAL USE.

CTS PAPER ON 3rd NOVEMBER

Hai, Im Dinesh Babu . I got the job in CTS. I got the job through ANNA UNIVERSITY CAMPUS RECRUITMENT. it was conducted in salem engg. college. i am a ece student (ARULMIGU MEENAKSHI AMMAN COLLEGE OF ENGG, KANCHIPURAM).

Before attending cts, i attended seven interviews. i always clear the written test and failed in the second round. but i didnt feel for it. i got success in my 8th attempt. so learning from failure is the stepping stone for success.

Around 2000 students participated and 319 selected for the second round.... finally 127 candidates are selected..... five students selected for second round from my college and four got placed..

TEST PATTERN:

SECTION I	VERBAL	25 MARKS	25 MIN
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SECTION II	ANALYTICAL	25 MARKS	30 MIN
SECTION III	NON VERBAL	20 MARKS	20 MIN

Those who having higher percentage in there academic can easily get thro in to cts....  
MY INTERVIEW:

Totally 20 panels.me and my college students are the first to their panels. .Two members in my panel.the HRs are very cool.

the HR given me a frim hand shake and introduce the another HR to me.one HR asked questions contiously and another HR didnt asked me a single question.

me:good morning sir(for both)

int: how is the day?

me: fine sir.

int: are u excited?

me: no sir,but curious about the placement.

int: tell about ur backround....

me: bla bla bla...

THEN HE STARTED TO ASK TECHNICAL.....

int:what is an closed loop system...

me: i explained with diagrams(while explaining the cocepts its better to draw basic diagrams and it helped me a lot in many questions)

int: tel an day to day example

me: answered.

int:explain any one of the OSI layer,,

me: xplained about physical layer...

int:what are the things u studied in DSP?

me:told few things

int:what is the sft ware u used in it?

me:MAT lab...

int : where it used

me:answered but not sure...

int:ok.. what is ur field of interest?

me: micro processor

int:asked me five to six questions in MP...

me:answered all and all are basics...

int:what is the difference b/w analog and digi comm...

me: explained with dia..

int: how is the FM stations transimmiting there signal?

me:explained about FM modulation with diagram....

int:tell about ur mini project....

me: explained for five minites.... he asked many questions from that....

int:he started to ask about data structure and he cancelled question..because i already mentioned him that i dont know any thing in that...

int:ok...tell about cognizant.

me: i told what i saw in the company profile.

int: why i have to select u?

me:i told an answer ... but he was not satisfy with my answer... so i told a new thing...he satisfied...

int:ok Dinesh ... u performed well... all the best...

me:thanked both the HRs and given firm hand shake for both of them.....

I maintained a good eye to eye contact with the HRs... i finished my interview around 10:30 and the result was announced at around 5:30. totally 127 selected.CTS is first company to select this high number of candidates in my zone...

SO friends dont loose hope...have faith in u and try hard and definitely u wil get the success.....

## CTS PAPER ON 3rd DECEMBER AT HYDERABAD

hi freinds,

i am vijayalakshmi.i attended the cts written test on Dec 3rd .I was selected in the test.The pattern of test is , the paper contains 3 sections.At first they will check all ur certificates originals or attested copies.provisional is must and should.They will give one application form .It contains following details.I didnt remember all those but i will give some of those. name,ur qualification,ur address ,ur 10th % ,!2th and score of ur Eamcet ,semester wise %s ,any arrers, software exposure,ur extra curricular activities,strenths and weekness ,wt are shortterm and long term goals ,why cts,wt r the qualities of a candidate that should require for company list them .

The test pattern contains 3 sections.

1.Verbal -- 25 ques --20mins

it contains 2 Reading comprehensions, select incorrect stmt from 4 given stmts, there may be more than one incorrect stmt in that 4 stmts,and select correct stmts from given 4 stmts , and finally rearranging the given 4 sentences.

2.Analytical--25 ques--30mins

It contains venn diagram ques 4 to 5, and cube ques 4 to 5,finding a no from given stmts that is the no is 5 digits even no,and it is divisible by some 36 like conditions given.

3.Reasoning--25ques--25mins

It contains ques on logical deduction ,figure pblms like find odd fig from given figs, 1 reasoning que, and some qs on binary format.that is \$ is represented as 0,\* is represented as 1,then \$\$\*\*\$\$ is same as given 4 options ,we have to find correct option,they r also in this format only.

example,

\$\$\*\*\$\$ is same as

1.\$\$\*\*+\*\*\$\$ 2.(\$\*\$ )\*(\*\*\$) 3.\*\*\$\$/\$\$ 4.\*\*\$\$-\*\*\*\*

Hey i am not given correct options but the model is like this.

I am selected for intervew and my intervew is over on 16th dec.for me there 2 menmbers in that panel.i wished them and the lady asked ques.

int: tell me abt ur self.  
me:I told  
int: she asked wt abt ur positive qualities  
me:please remember wt u have written in the application form , an i told the ans.  
int: wt r the user defined data types.  
me:I said we can create UDD using typedef for single data type  
int: if we to different data types then  
me:I answered abt structure  
int: ok can u tell the memory allocated for that structure  
me:told  
int: tell me abt union its practical example  
me:told but i dont know practical ex  
int: she asked abt DS,wt is a binary tree and binary search tree  
me:i told:  
int: she gave nos in sorted order like 19,30,43,56,60,90,100 construct tree for these nos  
me:i wrongly constructed bcoz i forgot the balance condition  
int: wt is time complexity  
me:i said  $O(\log n)$   
int: she asked abt OS wt is deadlock  
me:explained.  
int: and wt r the diff CPU sheduling Algorithms  
me:told  
int: wt is preemption  
me:told  
int: do u know abt UNIX  
me:i told no bcoz i know some concepts  
int: she asked wt r layers in OSI model and TCP/IP  
me:told  
int: wt is fixed size window protocal and in which layer it is present  
me:told  
int: do u have any ques  
me: i asked one que  
int: finally she said all the best

this is my interview experience .they asked very basics.so frnds be confident and cool at the time of iterview. Now i am waiting for the result.so all the best my frnds.

CTS PAPER ON 4th NOVEMBER AT HYDERABAD  
hi all.

let me share my experience with you. hope it helps you!  
My interview was on 4th nov. at 11am. There were around 12 to 15 pannels... it basically depends on the person who is interviewing you....some take jus 10mins some take for half hour... As you know its TECH cum Hr....so be prepared to face both...usually only one interviewer will be there...



interview will be held in a large hall...you can see all people being interviewed....how they talk n express.. the interviewer body language....

So first thing is to be confident....speak gently n clearly. take a sec or two before speaking. jus be frank....give him a warm smile....if you smile it'll itself dispell your nervousness...

My interviewer was an experienced old man....i was really scared. but the moment i gave him a greetin n smiled at him n when he responded with a smile....i felt at ease...

It lasted jus 10 question n 10 mins...only! i was scared. as it ended so soon...will i get eliminated....but the interviewer was a shrewd man...so half hour or 10mins....all that matters in the end is how well we present ourselves...

these were the question i was asked....

1.Tell me about your family back ground? i never expected this question right at the start. i told him all.

2.Did you right EAMCET? what 's your rank? as i did my MCA. i did write eamcet but got a rank in 28 thousand n odd...he wanted the exact figure....but i told him i dont remember.

3.what is the diff between computer science n information technology? i told him about computr science was for innovating new technologies...more into research n development. but i was suddenly not able explain clearly abt information technology.i gave him vague ans to that.

4. He looked into my cv and asked what are web technologies html, dhtml jsp? i have mentioned these in my technical skills. I told him they are for creating web applications, web pages n site.

5. he asked what is a web page? i was not able to explain clearly.

6.what is WWW? i jus gave him the definition...

7. what is internet? i told him.

8. Difference between C++ and JAVA? tell as many points as you can.

9. Difference between DBMS and RDBMS? i gave him around 4 points. you can tell all you know.

10. are you willing to relocate to chennai? i told him yes sir. as a matter of fact i am willing to go anywhere!

Then he said that'll be all. you can go now....

I was really expecting the interview to be the usual style. starting with tell me about your self? then proj expalnation? then in the subjects n all? i was totlally unprepared for the question i was posed at....though they were basics!

So you see...all that matter in the end in how well we present ourselves n tackle the questions....cos each interview's thinking is different...we can anticipate what q's they'll ask...whatever it may be ans in cool n confident way....success will be yours..

I am now posted in chennai..wil join CTS on DEC 15. Share this knowledege with your friends too...help them...i wish you all a very good luck. see you all in CTS...

cheers,

CTS PAPER - 07 JAN 2006 - KOLKATTA

Hello,

I attended the the selection process nd finally selected in CTS..I'm going to describe every single details of this...

Day 1(7th Jan,2006)

I got mine hall ticket on 2nd Jan,06.My test centre was St. Thomas College, Kolkata,nd reporting time was 9.30 sharp.

there were 4 round of Test.i.e.9.30, 11.30, 2.30, 4.30..

in every section two separate colour of question paper were given to us...

As i attend the test in 9.30, in this section Blue and Red set were given....

Mine was Blue set.. As far as i heard Blue was the easiest 1, 'coz it consist max no of maths..

total 40 q, 1 for each correct nd .25 negative for each wrong answer....

i attend 23, made wrong answer 3, that is mine score was 19.25.(i saw in the time of interview)...

Questions

As far as i remember...

1.Avg of five ppl b4 5 yr is 40. 3ppl left now,2 new join..find the avg of new 2 ppl..  
Ans:Data un sufficient..

2. Distance between two telegraph post is 100m.The two post is 130m away to the Listening Station.If a new Station is establish just between the Two post, then what will be the distance between two listening station???

Ans:120m .

3.A simple Avg q, a class 8 boy can do it..

Five team A,B,C,D,E..play a cricket match in every SIX consecutive Sunday.The Tournament in every sunday is Knock down basis and every sunday only 1 team ultimately win...

A won twice between 6 sunday. C & E win 1 sunday each, but both won after 2nd win of A.

B won a sunday b4 A's first win.

C & E both didn't win the last sunday..

on the basis of above paragraph the 4 q were asked.. they r

4. Which Sunday did D win?

a) 1st b) 5th c) 2nd d) 6th    Ans: 6th(d)

5. Which Sunday did E win ?

a) 1st b) 5th c) 3rd d) can't say    Ans: can't say(d) 'coz we can't say exact date for C and E.

6. Which two Sundays A wins???

a) 2nd and 3rd b) 1st and last c) 1st and 2nd d) 3rd and 4th    Ans: (a).

7. B won in

a) 1st b) 2nd c) 3rd d) 4th    Ans : (a)...

B-1st

A-2nd

A-3rd

C/E-4th

C/E-5th

D-6th...

8. Between 100 to 200 how many cube numbers are there ?

Ans: 125 (only 1)

9. Which is the largest???

a)  $(125)^{15}$  b)  $(5)^{125}$  c)  $(625)^{20}$  d)  $(25)^{10}$

10. What will be the remainder after  $(16)^{15}$  is divided by 254...

a) 2 b) 0 c) 1 d) 128    Not sure but my ans was 128..

11. A figure was given from there you have to find area of triangle.. very very easy.....

12. Jack & Jill went to the hill....In going to hill (upward Direction)...Jack went to the hill first and waited for Jill for "x" hours.. Jack's speed was then twice of Jill..

In the downward direction Jill can go 3km in an hour, while Jack can go 1km in 1 hour..

Jill reached the ground first and waited for Jack for "x" hours..

Total journey they traveled is 6 km..

Find the speed of Jack...

Ans was 3 km... I forget the options..

13. A english conclusion i attended which was on Polymer concept...

To mine opinion the ans is : polimerisation can be controlled by controlling the neighbouring temperature... (not sure)

A paragraph consist of 6 questions.. very easy R.S Agarwal type....

I forget the exact 'coz it was 10-11 conditions.. but it was easy 1...

am giving only the type of idea.....

p,q,r,s,t,m,n,o,l,k, are put in 2 row..

k can be sitted with j, p always at the end.. like that 11 conditions.. u ahve to find exact sitting order.....

All that i remember from Apti Section.....

Result was given on 10th Jan, in CTS site, i had my int on 13th Jan, at 12 Noon.....

2nd Day(13th Jan,06)

We were given a Yellow paper, wher 12 q was asked to fill up, like name, qualification, ur Jee score, y cts, ur weak nd positive points, ur activity, hobbies, y software, y cts,..ect, ect.....

then we were called for interview... in our case total no of pannel were 12....

I was called for interview around 1.30... there were 1 Lady, nd 1 Man..

They asked hr basically.. they interviewed me about 25-30 minutes...

1st 20 minutes they asked only about my self, my hobbies, then asked only 3 q frm C type of variable,what is array?, merge short...

A q frm electronics . How current conducts in Transistor...

Hoe internet works.. that's all..

after that they began to ask again hr.. in the mean time they gave me a puzzle to solve, it was picture puzzle to find no of squares.....

Hr q was..

1. Y wud u like to join CTS?
2. What is gurantee u r giving us that u wudn't leave us if u get better opprtunity?
3. y CTS needs u?
4. if ur project fail, what u will do?
5. What u will do if u find that ur colegue is sexually harrassed by any higher authority?

and some thing abt family....g/f etc.....

Statistics:

Total ppl attend for apti :closely 2200..  
Cleared Apti:217  
Final Selection:61

CTS PAPER - 08 APR 2006 - COIMBATORE

I am sreenivasan from HYDERABAD, i got the the call form CTS for written test on 8th april in coimbatore. I have cleared my written Tech and awaiting for the results of my HR. that would be put on 12th 8.00PM in CTS web site. Let me brief my experience

the location was kumaraguru colege of Technology.

there were 3 batches 9.00a.m, 12.00 and 2.00pm

Mine was First Batch.

This was the first time CTS went for a very different pattern.  
It has given the written test to conduct for a consultancy of bangalore MERIT TRAC

the paper consisted of 3 sections

1. Verbal Ability - 25 questions
2. Analitical Ability- 25 questions
3. Mental Ability-20 questions

there was a Cut off for each section  
i came to know that they increased the cutoff for every batch i.e 12 to 16

All the sections were very easy, actually there is no need for any preparation, only thing is u have to manage time(every body can coz its dam easy).and attend all questions.  
THERE IS NO NEGATIVE MARKING

first section consist of few english questions like choose the artical, fill the correct word and 2 passages.

The questrions were as easy as  
eg: His leprosy leg was infeasible\_\_\_\_\_ pain.  
a) to b) for c) ....

Second section has  
General questions like

Venn diagrams

eg:

a family went for a picnic. 20% of them ate apples, 30% for them ate oranges, 40% of the age grapes. 10% of ate all the three. 12 % ate apples and oranges. 14% ate apples and grapes.10% of the ate grapes and oranges.

Q1. how many ate only apples

Q2 how many ate only grapes

Q3 how many ate none

there were 3 questions like this

there was a cube problem  
a cube which is painted all side is divided into 125 parts

Q How many single side painted

Q How many 2 sided

Q how many 3 sided

Q how many none

this is very easy if u use the formulae

Total no.of cubes=  $n^3$

exactly one face= $6*(n-2)$ whole square

exactly two faces painted= $12(n-2)$

no face painted = $(n-2)$ whole cube

so on.....

just normal preparation is enough

the 3rd section is very easy mental ability

in some language \* means + , + means / , - means - and so on

then what is

$2+4*3/5$  is

4 questions like this

there were silly questions like observation

Select the following

A) if A and B are same

B) if A and C are same

C) if B and C are same

D if none is equal

E data is not adequate

1)

A)1054.122335467 B)1054.122345467 C)1054.122343567

the answer is D

2)

A) 107773.32343 B)107773.32443 C)107773.32343

answer is B ( as A and C are equal)

all this sort ...

very easy

But the cut off is come there is a need for accuracy  
there were altogether 1500 people from all over INDIA.  
the Number that cleared is 330.

CTS PAPER - 08 APR 2006 - KOLKATA

This is Sania. my friend got selected in CTS on Campus . I got latest pattern +hr+tech question.

Test held at---- RCCIIT---KOLKATA

date-8/04/2006

Appeared---300

selected for interview----125

final selection-----72

i have assembled hr +technical question from my friend and the successful candidates.

Appti-----70 questions-----1 hour-----no -ve

Arithmetic on speed/time/simple/compound/2-3 puzzles

interest/probability/equation/number series etc

English----preposition/article/sentence correction/voice change/passage

LR----analogy/series/direction sense test etc

Technical question-----they asked question on electrical engineering and electronics apart from computer science questions to electrical & electronics students---

**ELECTRICAL QUESTIONS:**

- 1.what is the difference between neutral,earth and ground?
- 2.difference between drieft and difusion current?
- 3.wat is tranformer?
- 4.why we generatate sinusoidal wave in generating station instead of generating squire or triangular wave?
- 5.wat is inductive,resistive and capacitive load?
- 6.wat is fantom loading?
- 7.difference between load shading and current off?

**ELECTRONICS QUESTION:**

- 1.wat is quantum numbers?
- 2.wat is triode?how it differs from diode?
- 3.difference between electrical and electronics?
- 4.wat is semiconductor?
- 5.wat is microwave?
- 6.two valley theorem?
- 7.wat is the snr?
- 8.wat is the application of probability theory in communication?
- 9.wat is VSWR?
- 10.wat is white noise?
- 11.wat is banwidth?

**IT & COMPUTER:-----**

- 1.why c language called c not d or e?
  - 2.wat is variable?
  - 3.wat is do while loop?
  - 4.library?
  - 5.wat printf returns?
  - 6.wat is srorage class?
  - 7.semaphore?
  - 8.os questions
  - 9.8085/86 questions etc
  - 10.client server architechture
  - 11.networking lair
  - 12.wat is object?
  - 13.wat is jdbc?
  - 14.jar/war file
  - 15.explin public static void main
  - 16.applet
- etc

**HR QUESTION:-----**

- 1.tell us somthing about your idol man or woman?
- 2.wat do u know about our company?



3. tell us about the effect onensex on state bank of india strike?
4. wat is shere?
5. wat is office of profit?
6. do u agree on the reservation hike on education?
7. wat u think ganguly have still aplace in indian cricket team?
8. why do u want this job?
9. how long would u expect u stay with us if selected?
10. yor strengths and weekness
11. where do u see yorself in next 10 years?
12. wat will be yor plan if i ask u to built small software company and make it like cognizent?
13. how would your friend describe u?
14. wat outside interest do u have?
15. wat have u read and enjoyed lately?
16. what motivates u?
17. how well do u take direction?
18. how do u handle criticisim?
19. do u enjoy doing routine task?
20. r u a natural leader?
21. how do u work in a team?
22. how creative r u?
23. wat u dislike most at work?
23. how does this job fit into your carrer plan?
24. when would u expect promotion?
25. wat sort of people u find difficult to work with?
26. tell me a story?
26. sell me this pen.
27. wat do u think about the war in irak
28. how much do u think u r worth?
29. if u get chance in other software company wat u will do?
30. suppose u love a girl in your college and ur father dont like her wat u do?

#### CTS PAPER - 08 APR 2006 - KOLKATA

This is Sania. my friend got selected in CTS on Campus . I got latest pattern +hr+tech question.

Test held at---- RCCIIT---KOLKATA

date-8/04/2006

Appeared---300

selected for interview----125

final selection-----72

i have assembled hr +technical question from my friend and the successful candidates.

Appti-----70 questions-----1 hour-----no -ve

Arithmetic on speed/time/simple/compound/2-3 puzzles  
interest/probability/equation/number series etc

English----preposition/article/sentence correction/voice change/passage  
LR----analogy/series/direction sense test etc

Technical question-----they asked question on electrical engineering and electronics apart  
from computer science questions to electrical & electronics students---

#### ELECTRICAL QUESTIONS:

- 1.what is the difference between neutral,earth and ground?
- 2.difference between drift and diffusion current?
- 3.what is transformer?
- 4.why we generate sinusoidal wave in generating station instead of generating square or triangular wave?
- 5.what is inductive,resistive and capacitive load?
- 6.what is phantom loading?
- 7.difference between load shading and current off?

#### ELECTRONICS QUESTION:

- 1.what is quantum numbers?
- 2.what is triode?how it differs from diode?
- 3.difference between electrical and electronics?
- 4.what is semiconductor?
- 5.what is microwave?
- 6.two valley theorem?
- 7.what is the snr?
- 8.what is the application of probability theory in communication?
- 9.what is VSWR?
- 10.what is white noise?
- 11.what is bandwidth?

#### IT & COMPUTER:-----

- 1.why c language called c not d or e?
- 2.what is variable?
- 3.what is do while loop?
- 4.library?
- 5.what printf returns?
- 6.what is storage class?
- 7.semaphore?
- 8.os questions
- 9.8085/86 questions etc
- 10.client server architecture
- 11.networking
- 12.what is object?
- 13.what is jdbc?

14.jar/war file  
15.explain public static void main  
16.applet  
etc

HR QUESTION:-----

- 1.tell us something about your idol man or woman?
- 2.what do u know about our company?
- 3.tell us about the effect on sensex on state bank of india strike?
- 4.what is share?
- 5.what is office of profit?
- 6.do u agree on the reservation hike on education?
- 7.what u think ganguly have still a place in indian cricket team?
- 8.why do u want this job?
- 9.how long would u expect u stay with us if selected?
- 10.your strengths and weakness
- 11.where do u see yourself in next 10 years?
- 12.what will be your plan if i ask u to build small software company and make it like cognizent?
- 13.how would your friend describe u?
- 14.what outside interest do u have?
- 15.what have u read and enjoyed lately?
- 16.what motivates u?
- 17.how well do u take direction?
- 18.how do u handle criticism?
- 19.do u enjoy doing routine task?
- 20.r u a natural leader?
- 21.how do u work in a team?
- 22.how creative r u?
- 23.what u dislike most at work?
- 23.how does this job fit into your career plan?
- 24.when would u expect promotion?
- 25.what sort of people u find difficult to work with?
- 26.tell me a story?
- 26.sell me this pen.
- 27.what do u think about the war in irak
- 28.how much do u think u r worth?
- 29.if u get chance in other software company what u will do?
- 30.suppose u love a girl in your college and ur father dont like her what u do?

CTS INTERVIEW - 09 APR 2006 - COIMBATORE

Hai , I am sreenivasan

Let me tell u abt the Tech and HR.

mine was the first batch at 9.00am on 9th april. i was there by 7.45 am, time management is very important coz they set aside all the people wjo came late, may be they gave chance at last. there were all together 4 batches 9.00, 10.00, 11.00 and 1.00.

they started calling people(330 total) at 9.15 am. A lady came and anounced that there is TECH and HR rounds and if we feel that u have done enough in Tech the person in the panel will say u directly to check ur results and in case if we feel that we need to take u to HR then u will be sent to HR.

the condition here is if u dont go for HR that means u dont find ur name in the results, TECH round was also elimination round, and HR was selection round. there were all together 21 panels 18 TECH and 3 HR. nobody knows that u do have HR panels until u clear TECH.

The candidates who cleared TECH were taken to a seperate place to sit and then sent for HR only 66 were selected out of 330. i am one of them.

mine was panel 11. There was only one person his site makes u feel comfortable and says that he is very friendly and has a lot of experience in IT sector.

ME: Good morning sir and i gave him a firm handshake.

TECH: Sreenivasan feeling Nervous,

ME: NO sir

TECH:ok srenivasan tell abt ur self

ME: i told him abt me and said that i am very mch comfortable with programming and presently working as a part time faculty for C and core java(its true i am still working from last feb 2005). i could see his eyes he was intrested in me.

TECH: why should i hire u, i mean how u r different from others

ME: i told all my positive strengths

TECH: He gave me 10 elements and asked me to search an element using binary search.

ME: i was waiting for C based questions and answeere him very clearly. and said we can use recursion for best performance.(he asked me then i said that)

TECH: what datastructure does recursion use.

ME: i could not get him, he helped me with some examples i said STACK, before it goes for the call, it would push tha status into a stack sir,

TECH: ok tell me the output of this

```
while(i=10)
{
printf("i=%d",i);
i++;
}
printf("the value of i=%d",i);
```

ME: infinite loop sir, coz as i is assigned a value 10 that statement would be true so it would never break coz its always true. he said ok

TECH: ok srinivasan give me ur certificates he asked me semester wise marks sheets( and they r particular that the candidate should have no more than 2 arrears)

I gave him

now my interview started he checked all my semester wise marks and asked me questions from the subjects in which i got less marks and in which i got more marks, he covered max all subjects

he gave me a logical gates circuit and gave some inputs and asked the output

asked about types of accounts(i have management subject also)  
i said i don't remember, he said u scored good marks then why don't u answer ? i just smiled.

he asked software engg diff btw black box and white box testing.  
i didn't say.

he asked me the difference between DBMS and RDBMS.  
i told him

that's all

he asked me that's all srini(he changed my name to short) do u have any questions  
i asked him 2 questions and he said me to wait outside.

the interviewer went in and took me to a place where all tech round clerks were sitting, i was very HAPPY, there were around 15 with me, they then took me to HR after 20 min's.

the HR was very cool and was asking me whether i will be willing to relocate anywhere. i said that i am a global man and i am ready to go anywhere. initially he was not interested in me he took my certificates and checked them many times, i was a bit nervous coz mostly he was keeping calm almost for about 10 min i was just sitting numb, i then began telling him about the university and semesters i have got(we have 1 year and 7 semesters)

he asked about my family and about my life's aim

i told him and said that i am working as a faculty, he asked me whether u handle practicals also, i said yes he was a bit interested and asked me that will u be willing to work at KOLKOTTA then i said i feel to be at Cognizant is my first stable step to achieve my dream so i am ready to go anywhere.

he was happy and said if u get selected and if ur posting is at coimbatore u will have to work in shifts i said no problem, He was happy and forwarded his hand and asked me to check my results on 12th april at 8.00pm i said thank u sir with a big smile and i was confident that i have cracked CTS but after that failure in HR at satyam i was a bit nervous

BUT now i have really very happy.

friends remember one thing be what u r and always have a smile on ur face and believe in urself and offcourse almighty.

i have been through a very tough period, i know many r still in the same, i have read all the success stories and thought when will i get through, when will i get a chance to show my talent,

Believe me each and everyone of us has a day, may be this is mine but tomorrow is definitely urs.

hope for the best. if u lost a good company feel that the BEST is on ur way, i always thought and i am with the best.

I need to tell u one more thing i have attended all most all MNC's i have attended infy on sep 11th my wickets wer also down and many like that..... so , just want to say that failures are definitely stepping stones for seccuss. a very big success.

i pray that everybody will be well settled and my country will be proud of its it resources. my aim is to set up a s/w firm atleast in my 40's. i need all ur support and prayes.

GOD always answers payers so wait and aim for the best u will land atleast with good, pz dont stop ur skill to be used for a call center or tech support. be a leader and try to set ur path to success and everything shell be with u  
hope this mail will help atleast one.

CTS PAPER ON 10th DECEMBER

HAI DEAR FRIENDS I AM RADHIKA.N.I HAVE WROTE CTS EXAM ON DEC 10TH 2006.I WOULD LIKE TO GIVE SOME INFORMATION REGARDING THE CTS PATTERN.

OK,

CTS PAPER CONSISTS OF 3 SECTIION:

- 1.VERBAL:
- 2.ANALOGY
- 3.A.DETAIL.

FIRST WE SHOULD FILL UP THE ANSWER SHEET WHICH IS PROVIDED BYTHE CTS PEOPLE.IT CONSISTS OF LIKE:

1. NAME.
2. GENDER
3. CURRENT ADDRESS:CITY:PINCODE:TEL.PHNO: MOBILE NO.
4. PERMANENT ADDRESS.
5. E-MAIL
6. NATIONALITY
7. ACADEMIC DETAILS(10TH %,12TH OR DIP%)
8. SEMWISE PERCENTAGE AND YEAR.

9. HAVE U CLEARED ALL YOUR ARREARS(BACKLOGS)?
- 10.DO U HAVE ANY STANDING ARREARS(PRESENTLY DO U HAVE ANY BACKLOGS)?
11. SOFTWARE ORIENTATION:
- 12.EXTRA CURRICULAR:
- 13.A SELF ASSESSMENT OF YOUR STRENGTH AND WEAKNESS.
- 14.EXPECTATIONS FROM COGNIZANT.
- 15.YOUR SHORT TERM PLANNINGS AND LONG TERM PLANNING WITH CTS.

U NEED TO CARRY ALL ORIGINAL CERTIFICATES AND U CAN PREPARE FOR THE ANSWER SHEET QUESTIONS PRIOR TO WRITE THERE. IF U PUT GOOD SENTENCES U WILL GET GOOD IMPRESSION FROM THE PAPER CORRECTION PEOPLE. U CAN PREPARE ANSWERS ON A WHITE PAPER AND U CAN BRING IT WITH U TO THE E.HALL.. CTS PEOPLE WILL ALLOW U. THEY WILL CHECK OUR ID PROOF, MARKS SHEET AND IF WE HAVE ANY BACKLOGS AND HOW MANY. THATS IS THE STORY FOR ANSWER SHEET. COMING TO EXAM PAPER

VERBAL: FIND THE CORRECT AND INCORRECT SENTENCES : 5 2 BIG PASSAGES FOLLOWED BY 10 QUESTIONS BASED ON THE GIVEN DATA

ANALOGY: IT IS EASY TO US. BUT TIME MAY TEASE US. BE CAREFUL WITH THE TIME: THEY WILL ASK U ONLY FROM VERBAL AND NON VERBAL BY R.S AGARWAL BOOK. U NEED TO PREPARE WELL AND U SHOULD BE FAST TO READ QUES. CUBE PROBLEMS: 216 CUBES (WITH 6 FRONT CUBES REMOVED, 4 SIDE LIKE THIS).

SEATING ARRANGEMENT PROBLEMS 2.

VENN DIAGRAMS PROBLEMS 2.

12 SLOT SECTION PROBLEM. PREPARE WELL .

3. NON VERBAL: PREPARE R.S.AGRWAL V&N.VERBAL BOOK. IT WILL HELP U A LOT .  
ODD FIGURES OUT.

CONVERTING THE BINARY TO DECIMAL AND VICE VERSA.  
FOR EXAMPLE:  $239_{10} + 13_{10}$ . HERE \$ REPRESENTS '1', THEN ) REPRESENTS '\*'. WE NEED TO CONVERT FIRST THE DECIMAL NUMBER INTO BINARY AND THEN ADD THE OBTAINED ONE. REPLACE 1 WITH \$ AND \* WITH 0.  
ANS:\$\$\$\$\$\*\$\*

CTS PATTERN & INTERVIEW - 11 JUL 2006 - DURGAPUR

Dear Frnds,

Atlast (though it was 2nd company here) I got thru Cognizant. I am sending my intv. experience...July 11, 2006

Cognizant came to our campus NIT, Durgapur for campus recruitment. There was only two round written & intv(techni & hr combined). Aptitude was in this format:

Verbal non verbal 25 qns 20 mnts

Analytical 25 qns 30 mnts

Questins like figure matching(mental ability) 20 questions 20 mnts

Questions were not esy not hard, I answred (11+21+8). There was no sectional cut off.

194 students cleard written of abt 250 students, & finally selected 96 students( 5 m.tech, 6 mca, rests b.tech)

though I was sure, not to cross the written(bcoz verbal sec. was not done confidently & lower cutoff for the 3rd sec. though there was no sec. cut off) but I did.

Written test was arranged by merit track & there waz one qstn set.

Verbal

-----

there was two passages one of them was about air pollution by sashi tharoor from sashitharoor.com

some qstns of rearranging sentences.

Finding the correct/incorrect sentences(5-6 qstns)

Analytical

-----

colored cube problem

data interpretation problem where \$ represents 1 & \* represnts 0.

Venn diag. problem

Mental Ability

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5-6 logic qstns like

1. no X's r Y's; no Y's r Z's ; choose the conclusion from following

i. no X's r Z's ii. All X's r Z's iii. ..

some figure matching questions(10 qstns)..

Interview

-----

I: walked thru the intv room.

Intvr: gestured to sit down

I: good afternoon sir.

Intv: good afternun. sit down.



I: thnk u sir.

Intv: where r u from?

I: i am from Barrackpore

intv: then why r u at durgapur?

i: for my m.tech study.

intv: o, u r m. tech! then in the mean time he looked into my filled up book in prescribed format.

[ the book was filled up roughly not so seriously, bcoz we had to fill up the same with in few mnts before the written exam.

Just like this way:

Strength: commitment

Weakness: easily believed other person

Hobbies: Playing crickt, traveling, listening to music, viewing movies

The qualities u have to be a successful IT professional:

Attitude

Motivation

Having fixed goal

After viewing the book the intvr. said ok & didn't ask any question frm them (thnk GOD)]

intv: then tell a litl bit abut ur family, parrents, ur hobbies etc.

i: i just told simply abt my family, & hobbies included "playing cricket, listening to music, hmmmmm & sir keeping track abt current mobile or cellur growth of india"

intv: hmm, what is the present cellur growth?

i: (i was not sure abt the cellelur growth so i told no of subscriber) presently it's abt 8(?) crore subscribers sir.

intv: hmm, then what is ur fevrit subjt?

i: I said "can I say C?"

intv: C progrmg ok, what next ?

i: data structr, OS

intvr: hmm, how can I allocate memory in C

i: using malloc fn

intvr: then what is calloc?

I: ansrd. Highlightning the no. of parameter & memory initializn

Intvr: thn what about malloc

I: memory is un initialized, & contains garbage value.

Intvr: what is linkd list?

I: ansrd

Intvr: what is doubly linked list?

I answrđ

Intvr: what is doubly circular linked list?

I ansrd.

Intvr: do u know OS.

I: yes sir. ( I was getting afraid at this time bcoz I thot he will enter into semaphore & deadlock for which at that moment I was not well prepared, but he did not so. Thanks GOD)

Intvr: what is thrashing?

I: I answered using virtual memory concept, but this answer I was not so fluent but answered such a way that he felt I knew the answer, told confidently & putting my eyes onto his eyes.

Intvr: what is virtual memory?

I: I answered like prev. question.

Intvr: I am quite pleased with your answer, now if you have any questions you can ask?

I: I was surprised because this question is asked at last & my interview was just started. So I asked "will I ask any question?"

Intvr: yes.

I: sir, if I get joined into your company then what kind of responsibility or work I have to do?

Intvr: first 3 months training will be there, after that..(what he replied I didn't listen, because just after that he gestured to leave)

I: thank you sir.

Intvr: hmm.

It was just a journey of only 8 to 10 minutes. Interviewers were cool & they were come to take students. But the levels were varied from panel to panel, some panels were tough. one panel asked my friend "why are you doing m.tech, for not getting job in b.tech?", which companies you attended at that time?, why tcs rejected you?, why satyam rejected you? etc. etc. and that friend could not cross the interview. Though I was also not selected initially, but got my name at last from the bunch of b.tech students(it was a great mistake!).

CTS PAPER & INTERVIEW - 14 JUN 2006 - KAKINADA  
CTS-2006 (on-campus) Date-14.06.2006

Test pattern

Verbal-20min-25q-25m

Quantitative aptitude-25min-25q-25m

Mental ability-25min-20q-20m

No negative marking

Interview-Tech+HR

Verbal section (25)

1) 2 comprehension passages, 5q each..

a.) One on cartoon characters-easy

b.) One on origin of species-easy

these take less time and even the questions are easy

2) Jumbled sequences-5q

We have to arrange given 5 sentences in correct sequence

3) Sentence corrections

a.) We have to identify correct sentence(s)-5q

b.) We have to identify incorrect sentence(s)-5q

these are on contextual meanings(ex: break ,break fast ,break off) and usage of the same word in different contexts (ex: enquired of, enquired about, enquired with )

Quant section (25q)

4) A question based on venn diagram, there were some people some speak English, some british and some French.

Easy one, just we need to draw the venn and we will be getting all the bits(4 q)

5) one based on functions, there were some steps just like in a algorithm, we need to follow them to arrive at the answer.

Step 1:  $x=0, y=0, z=0$

Step 2:  $z = x*(x-1)$

Step 3:  $y= x+2$

Step 4: inc x, y ,z

Step 5: if  $x>0$  goto step 2

Step 6:if  $y>0$  goto step 3

What will be the value of x, y, z after 50 iterations.

Im not sure abt the question.....(1 ques.)

6)A question based on train routes. there were three stns A,B,C, we can go frm A to B in 5 diff ways from B to C in 4 diff ways and A to C in some ways . There were some bits based on this data. Easy one (5 q).

7) Data sufficiency problems-4q

These are easy n simple

8) In a 100m race X beats Y by 10m, Y beats Z by 10m.by how much does X beat Z in a 100m race? A)19m b)20m c)21m d)18m

9) If  $\$=1, *=0$ , then code the following (5q)

a) One on LCM of given nos

b) One on subtraction

c) One on addition

d) Two on simplification of arithmetic expression

All the above are given in decimal system n the result is in binary ( $\$*$ )

10) A red cube of volume 1000 is given. 2nd column from left is taken out from one of the faces n now it is painted black.5q r given based on this...

All these are on the differences between no of cubes painted black on certain no of sides n painted black on certain no of sides.

Mental ability (25q)

11)Syllogisms-5

12)Picture based anology-1q

13)Picture based odd man out-7q(all easy)

14) 2q are on inferences

- 1.) when I m in America, a politician was killed
  - a.) I m in America
  - b.) A politician was killed
  - c.) I m not in America
  - d.) A politician was not killed
- 2.) when I m in hotel, I eat
  - a.) I m in hotel
  - b.) I eat
  - c.) I m not in hotel
  - d.) I don't eat

Analytical reasoning-

15) A,B,C,D,E are express trains,P,Q,R are passenger trains.

A is the fastest train, but not the costliest... certain relations are given between costs of tickets of diff trains, n certain relations are given on speeds. 5q -2 on speeds, 3 on costs.

Technical interview+HR (30 mins)

- 1.) tell me abt u r self
- 2.) u r hobbies
- 3.) tell me u r fav subject
  - a.) I said digital electronics
- 4.) why do u like digital electronics?
  - a.) I said I m interested in digital electronics n its implementation in computer organization n architecture.

All the questions are on the above sentence-basics of D.E, C.O n microprocessors
- 5.) How do u implement a given function n what factors should b considered in the implementation?
- 6.) can u tel me sthing abt interconnection difficulties, fan in n fan out?
- 7.) What is a microprocessor?
- 8.) What does 16bit n 32bit microprocessor mean?
- 9.) 2q on i/o module..
- 10.) 3q on interrupts-all basics
- 11.) RISC vs. CISC comparison
- 12.) Diff b/w 8086 n 8085..
- 13.) why did u choose jntu?
- 14.) why did u choose E.C.E?
- 15.) r u flexible to work even in pune if necessary?
- 16.) u r given 10 technically sound ppl, 10 ppl with high team spirits 10 ppl with leadership qualities.. u have to pickup 5ppl. whom do u choose?
  - a.) I said.. sir I will organize some group activities n sort out a group based on their performance... one will make others to learn what they lack a person of high team spirits may bring the technically sound person into Team spirits n technically sound person will help that person in gaining Technical Knowledge required..
- 17.) Now u r given only 1 chance pick one among two..
  - a.) I said that I would choose d person with high team spirits.

18) briefly describe about various sorting techniques.

Technical interview+HR (40 mins)

- 1) first question was , how did u fair in ur written and how much r u expecting
  - 2) tell me about urself
  - 3) questions on hobbies, strengths, weaknesses
  - 4) diff between 8085 and 8086
  - 5) diff between 16 bit and 32 bit address bus
  - 6) what is an operating system
  - 7) diff between transfer layer, application layer
  - 8) list out some protocols
  - 9) what u mean by tcp/ip
  - 10) what are the diff softwares in MS Office
  - 11) what u mean by cache memory and virtual memory
  - 12) diff between normal tv and plasma tv
  - 13) define resolution Ch etanaS
  - 14) list out all searching and sorting techniques
  - 15) write a c program to accept a string from keyboard and then print on screen in sorted order
  - 16) difference between java and c
  - 17) oops concept
  - 18) what u mean by class
  - 19) who is the present vice president of India
  - 20) give ur two preferences among the seven places where cts has its offices
  - 21) are u ready to work in coimbatore in night shifts?
  - 22) What is ur aim in life
  - 23) Where u see urself ten yrs down the line
- And some more simple questions regarding me.

CTS PAPER ON 15th NOVEMBER

Hi guys...

I am glad to inform u that i got placed in cognizant..  
basically interview consists of written,technical and HR.

WRITTEN:

It was very easy,prepare well in R.S.Agarwal and logical reasoning in the same.

TECHNICAL INT:

Prepare well in your academic subjects.. they wil ask questions from ur academics only..  
am CSE student so i was asked questions in  
OS,Networking,Dbms,oops,Datastructures,software testing and software engineering and  
about protocols and check the programming skills.. so if u fall in my department so have  
a look in this subjects.. they asked me to explain abt my project.. explained well.. be  
specific about ur answers.. they asked me about networking and OS since i specified that  
as my are of interest..

HR:

The most important thing in hr is they check ur confidence level and have smile in ur face always never be tensed.. be cool..and other questions are same.. tell me about yourself.. wats ur ambition.. positives.. they asked u to justify ur positives and negatives.. so be prepared to it....

CTS PAPER ON 16th DECEMBER AT PUNE

Hi friends this is Gaurav Arora from New Delhi. I graduated from KITS Ramtek(Nagpur University). I gave Cognizant Test

on 16th December Pune in JD's Academy. I struggled for 6 months and finally i got it.

They will have a written test and the pattern they generally take is given below:

Verbal

Two passages(Attempt in the last)

Correction of Sentences(Do them as soon as possible)

Inferential Reasoning(Do them as soon as possible)

Dont do a mistake in attempting passages at first because they will eat your time. Please do the other part with accuracy

Analytical(Refer Verbal and NonVerbal Reasoning by R.S. Aggarwal)

Cubes(One definite one)

Binary no Question- The logic given in the question is confusing. The trick is to just convert the Decimal no to binary and represent into \$ and \*

Venn Diagrams(easy ones)

Data sufficiency(Refer R.S Aggarwal Solved Questions)

Some profit-loss and Ration proportion(R.S aggarwal)

Try to do some Puzzles in R.S aggarwal as they will help you in cracking logic.

Attention to Detail(Figure Questions)

All figure related questions(easy ones)

Question like

ALL heros are this

All cats are mices(Solve the logic part in Section 2 of R.S Aggarwal)

Prepare these section because the key part to get through in CTS is time management in Aptitude Paper so prepare well.

My Results were declared on 19th December and i was in the list.

I had my Interview on 21st December 2006.

Following are the questions which were asked.

Technical(It was rather HR)

1. Tell me about yourself

Ans -(Include your achievements in college or school)

This will give a better impression of ur personality.

2. How good you are at C.

Ans -I said i am just a beginner and i have all the basic concepts which are required.

3. Tell me your Project.

Ans- This is the key part because they know how we engineers study in college so they expect atleast in this you are confident and technically sound.

4. Do you any problems in Relocating?

Ans -Say Yes without any thought.

5. It was nice meeting you.

Ans- Thank you sir.

HR(Bit of Technical )

1. Tell me about yourself

2. Project again.

3. Very differnt- What is a Plasma TV ?

4. What is LCD/

5. How AC works?

Thanking Statements -that was the end

I wish all of the guys and gals taking the test this year the best of luck and hope to see you at Cognizant(Pune).

Your Spirit will make you reach anywhere. I struggled for 6 months after college atleast i got it.

CTS PAPER ON 17th AUGUST 2006 AT OSMANIA UNIVERSITY, HYDERABAD

Hi friends,

This company is too good and u all cant loose oppurtunity 2 miss it .were good scopes ahead .

The CTS test consisited of 3 sections

1. Verbal test --- 25marks 20min

2. Quant----- 25marks 30min

3.Analytical-----20marks 20 min

& there was NO NEGATIVE MARKING ....so keep guessing

1.The verbal ability test consisted of 2

a.comprehensions, picked from BBC news website

b.detect the correct & incorrect sentences.

It is a bit difficult but u need to be too good at basic grammar specially with words like has,had,at,the.

2.The quantitative section consists of questions from (not in order )

a.venn diagrams(very easy.....and u cant effort to do wrong in this )

b.Binary numbers of replacing 0 with \* and 1 with \$( bit confusing )

c.Cube problem of sides colored and few smaller cubes removed .

- d.Probability
- e.Basic Mathematics

This is scoring section ....so do ur best

3.The analytical section consists of questions having 3 figures as options & we have to choose the odd one out or we need find which figure will follow this was too easy just hold ur nerves ...we must have a close look at each figures & we can find the odd one very easily...there were a lot of questions of this type..then there were 2 questions on reasoning.ie "E comes after A & the no: of persons b/w A&B is the same as the no: of persons b/w C & D" .....like that..... & thr were 5 questions based on this..

Damn easy section

refer Cat exam material for written test and gate exam material for interview  
After clearing the test i had a combined tech & HR interview in which i was asked the follo questions

- 1.Introduce urself
- 2.hobbies
- 3.Three fav subject c,c++ and mobile computing
- 4.diff b/w Unix and windows
- 5.what architecture of J2ME
- 6.wat is the diff b/w structure and union
- 7.wat is a pointers
- 8.diff types of class diagrams , complete UML
- 9.very detailed questions about my project
- 10 any questions to ask ..... i asked him 3-4 questions

Confidence and communication skills do matter most .at 9 p.m results were announced..... ALL THE BEST

CTS PAPER ON 19th AUGUST 2006 AT RAJAGIRI COLLEGE OF ENGG.,  
COCHIN

Hiii frends,

I'm Francis from Saintgits college of Engg,Kottayam..i got selection in CTS....The test was conducted on 19th Aug 2006....it was conducted my MERIT TRAC ....First of all i would like to thank FRESHERSWORLD for helping me .....

About test:

Test consists of 3 sections,

Verbal section: (20 questions--20 mins)

Quantitative Aptitude:(25 questions--30 mins)

Reasoning section : (25 questions--25 mins)

Verbal::



Finding of CORRECT and INCORRECT sentences....dont waste much time for this...try to do it fast,cause ull get only 20 mins to complete this section....then there was some passages and questions from those passages..

#### Aptitude:

There was 25 questions and 30 mins to complete this section...it was bit tough..but dont try to waste ur time on small valued questions..the questions r of different marks....so try to do it as fast as possible..lot of problems from binary conversions...like if zero is represented by \* and one by \$ ,then how ll u represent  $8/2+6*3-5$ .....

#### Reasoning:

I think, this was the section which can b completed with no time....  
eg:: All friuts r vegetables  
Some vegetables r mangos  
then all questions were based on figures,,ODD MAN OUT...it was pretty simple...the question was based on geometrical figures..den on human sketches.....most of the candidates did it right.....

Then the result was announced and i was surprised to hear my name.....they told me to wait for interview...for me it was on the same day.....

#### About interview:

Both Tech and HR interview was on same panel...The HR guy was so freindly....he asked me lot of Questions with a cool approach.....for me the interview took abt 25 mins...

#### The Questions were:

- 1) Tell me abt urself
- 2)About my family
- 3)Then he checked my hobbies and interest that i wrote in my personnal detail form....Then he started asking me questions abt my interest's.....
- 4)Wat u know in Computers???  
As a mechanical engg student,,i told him dat im least interested in computers..but i made him clear dat i can access computer very much,with certain examples...
- 5)Then he asked abt my favorite subject....  
Mine was Fluid Mechanics...he asked me 2 or 3 questions abt Turbines. and diff types of turbines.....
- 6)Again he came back to my hobbies and interest...he was a guy interested in Music and me too...so he asked me lot abt music..  
Then he told me dat "ok v ll meet soon"

#### CTS PAPER ON 19th NOVEMBER AT HYDERABAD

I just wrote CTS on 19th Nov HYDERABAD. First u vl be given a sheet to fill which is imp. It consists of questions like ur

- 1) percentages (semwise/year wise)
- 2) ur software skillset.
- 3) hobbies, strenghts, weakness
- 4) why CTS
- 5) ur short term and long term goals with CTs  
like this...

There r 3 rounds in written test.

Verbal :

- a) correction of sentences
  - b) reading comprehension--10marks
  - c) jumbled sentences--5marks.
- these all u can get in TIME material.

Analytical :

- a) problems on Vein Diagrams.
- b) problem like represents 0, represents 1 so what is 288(just convert it into binary and replace 1's and 0') and next is avg of (51,55,102) first claculate avg then convert it into binary and relace with and )
- c) problems on cubes.
- d) problem on seating arrangement.

Logical Section :

- a) problems on syllogism  
eg All a's are B's some B's are C's then conclusion is some A's are C's.
- b) logical diagrams to find odd man out. 4 figures are given and we have to find odd one out.
- c) one small puzzle is given.

time vl not be sufficient so frnds pls utilise time properly.

I got thru my written and my interview was after 10 days I got ample of time I read everything but my panel consist of only 1 member and i just wished goodmorning with a smile (imp) he asked me to sit and

- 1) introduce urself ur family back ground
- 2) project work ---i said some bla bla bla
- 3) structures in C has some features explain
- 4) what r the concepts of OOPS explain
- 5) abstract class
- 6) dynamic memory allocation and static memory allocation
- 7) linked lists

thats all it was just of 10 mins i think he was not clear i just need to wait for my results for still 3 days.

ok all the best for every one attending CTS

## CTS PAPER AND INTERVIEW ON 20th AUGUST 2006

Hi....

The CTS test consisted of 3 sections

Verbal test --- 20min

Quant----- 30min

Analytical-----20 min

& there was NO NEGATIVE MARKING

The verbal ability test consisted of 2 comprehensions...detect the correct & incorrect sentences...but in this section time management is v.imp...you must not stuck into 1 question..

The quantitative section consists of questions from venn dia,time & distance...the questions were easy

The analytical section consists of questions having 3 figures as options & we have to choose the odd one out...that was easy...we must have a close look at each figures & we can find the odd one very easily...there were a lot of questions of this type..then there were 2 questions on reasoning,ie "E comes after A & the no: of persons b/w A&B is the same as the no: of persons b/w C & D".....like that..... & there were 5 questions based on this..

After clearing the test i had a combined tech & HR interview in which i was asked the following questions

- 1.Introduce yourself
- 2.Your weakness.....why
3. 3 favorite subjects & i told C,CPP,DATASTRUCTURE
- 4.Diff b/w C&CPP
- 5.what is polymorphism...its diff types
- 6.what is the diff b/w stack & queue...where do we use stack(ans:infix to postfix...)
- 7.what is a linked list...its diff types
- 8.diff types of operating system(ans: real time....)
- 9.do you like to go abroad??
- 10 any questions to ask...

## CTS PAPER ON 20th AUGUST 2006 AT TRIVANDRUM

Hai friends

Venue : LBS college of engineering Trivandrum.

Total no attended: About 800

Selected for Aptitude :265

Final Selection :121

I am so happy that I got placed in one of the worlds best IT firm “CTS”. The more interesting thing is that I am an Electrical and Electronics student. First the MeritTrac People will give you the Instruction Sheet and The OMR sheet. Please read the instructions carefully it will help you a lot. Then You will have to fill some information infact a lot.

Please remember all the Semester Percentages and have them calculated on a sheet of paper. Have your Resume and a Photograph with you they will be pinned to your OMR sheet. So take an EXTRA RESUME.

Questions in the OMR SHEET:

Name:

Date Of Birth:

Address:

Permanent Address:

Phone:

Email ID:

Nationality:

10th Percentage

12th Percentage

If you have qualified through Entrance Exam the Score you got on the total is asked, you can also give your rank.

BE or BSC Percentage Semester Wise

Post graduation again Semester wise

Software Exposure

What is that a succuessful Software Professional requires and whats that you have got?

Just answer in 3 points and just tell them that you think you have them in you to be a successful Software Professional. Be good in your language and avoid mistakes.

Yours Strengths and Weakness?

Future Plans

Please mention them with the reason following, this helped me reduce the interview time.

They will cross check by asking you the same questions in Interview so be careful to answer the same one's when asked no new once added to that.

The papers will be taken back after the allotted time for each section.

The test consisted of three sessions and no negative marking.

Date 19th August 2006

Verbal

Analytical

Reasoning

My Question booklet no was 3635

Verbal(20 Min)

It basically consisted of 2 passages one is long and the other a short one, and que based on it. 5 questions like select the correct sentence from 5 choices given (there can be more than one sentences like both a& b, a alone, both b&c and so on). Then comes choose the incorrect sentence, then there is also things like rearrange the sentence for form a paragraph.

Frnds Rembr this is important first do the grammar part and then go for the passage or else a lot of time will be lost. Try to do better in this session because I thing there is no separate cut off and the next session was a bit tough for me. I couldn't go through one passage.

2. Quant and reasoning:(20 Min)

This one was a bit tough it consist of questions from cubes, coding decoding

Eg1: 1 is represented by \$ and 0 by # I think so and some conditions are given like after some operations it shifts right or left or so on and five questions are based on it, Then there is a question based on cubes like

Eg2. A cube is cut into 8 pieces and painted red then one individual cube is cut into 27 pieces. Five questions are based on it like how many are painted, how many at least one side painted like that.

Eg3: A question based on seating arrangement is given like A B C D E F are to be seated in a row of 7 chairs . then some conditions like A and B , C and D should be at same distance and E and should be seated alternatively and the last condition was that E should not be at the left most position. Five que based on it are given and you have to ans it. The first was the possible way of arranging them( note go through the choice and find the ans coz there are more than one way of arranging ) and there were remaining 4 que don't rmb but are easy)

Mental Ability:(20 min)

This is the best part where you can score a lot the question are from verbal and non verbal reasoning by RS Agarwal . plz refer these chapters

1. Data sufficiency (Chap 16)
2. logic (session 2 chap 1 ,doing the solved eg is enough)
3. choose the odd man out (simple fig are given ,I rmb the fig of 4 similar face of a man and the difference in it is that one has only one cheek and the remain que was simple circles overdrawn, squares ,pentagons and so on)
4. 5 general aptitude que which I didn't answer

Remember there is no negative mark so try you luck,God is with you guys.

No need to go through RS Agarvals Quant Aptitude Just study the verbal and non verbal reasoning of RS Agarwal.

Interview session(tech&HR)

Before interview they checked the mark list that there are no more than 2 supplies

I was the last person listed in our college list I thanked GOD.

20TH Aug 2006

Before interview they checked the mark list that there are no more than 2 supplies , I have no.

There were about 4 panels and I was on panel 1 and my interview started by 1:30pm. These were some interesting thing that was going.

Me: xcuse me

HR:ok get (there was a man(m) and lady(f))

Me: I wished them both.

HR(f): ok tell me about yourself

Me : I gave a crisp and confident answer(the man never minded me).

HR(f):what and all subjects you have studied so far can you list ( prepare for this que don't flatter in front of them )

Me: I answerd like from electrical there are machines1, machines 2, pow sys 1,2 and then comes electronics sub like SSD,Power Electronics, the theory papers like humanities and so on,I think they were satisfied with it as it was in an orderly manner)

HR(f):what are your favorite sub can youlist any 3.

Me : yes madm , mine are Electrical machines, Material science and C++.

HR(f):select any one from it.

Me: Elect Machines madm(Rmbr while answering don't forget to look at both HR's)

HR(f):What are the various machines you have studied.

Me:I answered that one.

Hr(f): What is a transformer and its uses in ctrl system,measurementetc

Me: I answered it also.

Hr(f): is it Uses in electronics

Me: answered

HR(f):She also asked about its efficiency principle and a lot of que and I answered all.

Suddenly the male interviewer interrupted,

HR(m): What are your hobbies.

Me: I like debating, reading, computer games, coin collection.

HR(f) :what are the various topics you have debated.

Me: I spotted out 5 I know well.

HR(m): Ok lets debate a topic.

Me: ok sir

Hr(m): the topic is “women are better in managing “. (rmb the other interveawer is female)

Me: ok sir I stand for the motion.

We started the debate and lasted for a few minutes.

Hr(m): who is the present CEO of coca cola.

Me: I know she was a lady and don't remember her name sir I saw her Photo in yesterdays Hindu news paper.

Hr (m) : do you know where she is from .

Me: I am sorry sir I don't know.

Hr(m): she is from Chennai

Me: I nodded my head.

Hr(f):who is your role model

Me: Abraham linchon.

Hr(f): why



Me: I spotted some of his great achievements and contributions like democracy, slavery abolition

Hr(m): what is slavery

Me: Unwanted torturing and treating a man like an animal blah blah blah....

Hr(m): what is torture.

Me: I don't know what to say at that time coz I say anything they will ask that then you think you will be tortured in CTS. Don't fall in such traps. I flattered.

Hr(m): you are in very high poison now do you expect your driver to open the door for you .

Me: yes sir

Hr(m): Don't you thing this is some kind of slavery.

Me: no sir it is his job and my respect sir.

Hr(m): ok that's enough.

Me:(I thank God in my mind )

Hr(f): Now u are in high poison and you are the best in your group. You applied for a chance to go abroad . But your team members got it and you are still here. Will you get angry.

Me:no I will be calm I wont.

Hr(m): its your right know atleast you will complain.

Me: If a am not send abroad it means that I am more important here than there. That may be the reason or I may not be fit there and if I still find this is not I will complain.

Hr(m): I am from infosys.

Hr(f): I am from cts. We both call you to come and join our company what will you choose.

Me: I am shocked with this que . I said confidently I will choose CTS.

Hr(m):Why.

Me: coz cts is the best and give the best job satisfaction and right now cts is in very good demand in e business, I am more interested in it and I will surely choose.

Hr(m): are you confident.

Me: With full confidence I said yes sir.

Some more Que which is frequently asked like

why should we hire you

why cognizant

Position 5 years from now.

what do you expect from us( don't say high salary say job satisfaction and promotion)

how long will you continue in CTS(I said along as I could contribute my entire potential for the development of the company)

Some of these que are there with the answer paper say only what you have filled in it.

He also asked my percentage I scored in B-tech .

OK then Thank you Maniesh You are good in technical point of you but your level of thinking in management is ok try to think in a higher level.

And ALL THE BEST

I said thank you sir Thank you madam left the room silently.

For me it lasted for about 30 to 35 min and my panel took only few people. I also herd there were panels were interview lasted only for 5 min and a lot got selected. So don't worry if it was short one you may get it.

I waited for the results it was published by 5:30 my name was second last on it and I am so happy that atleast I made it and got the offer letter to join as a software trainee the offered 2.5 lack during training and 2.7 after 1 year.

All the Best for you guys." Gods always with us", 'coz we deserve the best. Hope we meet at CTS.

CTS PAPER ON 20th DECEMBER AT CHENNAI

hi frnz.....

iam Lydia

i'm thankfull to freshersworld and its members for providing papers. I'm very gratefull to my frnd..N.karthikeyan to b wit me in my preparation...also my frnds..ramya,viji.....

by Gods grace i got selected for Cognizant from interview held on 20 th Dec 2006 . i want to share my experience

my interview

hr: good aftnun...

me:good aftnun sir

hr: k...tell mi abt urself...

me:asusual.....family

background...schooling...paperpresentation.....project...hobbies...bla..bla..

hr: tellmi abt ur paper...?and some quest

me:i told ..all

hr: explain abt ur proj

me:explained...some quest in project...

hr: wat language r u strong

me:c,c++

hr: wat is a pointer..write a prg and explain.. I wrote a simple prg ...xplained

hr: wat is overloading for this also i xplained with the program

hr"wat is overriding.....

hr: wat is ur fav subject?

me: os

hr: he asked me quest in paging,segmentation.... then he took a subjct of his choice..networks..i told only basics i know...

hr: explain osi layer...and in wich layer data encryption is done?

me:i explained all layers...idint know second quest..

he askd abt CRC code...then abt packet acknowledgement....

hr: any quest abt cts i askd abt cts..sixsigma tech

hr: ok lydia have a nice day thank u

me:thank u sir

then hr round was so cool...and casual...some quest on leadership qualities...

#### CTS PATTERN & INTERVIEW ON 20th SEPTEMBER 2006 AT TRICHY

Hai, Im Srividhya. R. I got the job in CTS. I got the job through ANNA UNIVERSITY CAMPUS RECRUITMENT. One important thing you should keep in your mind is that if got more and maximum marks in the written test conducted by any company you are facing for the Interview will be like a cakewalk (even if not answer well and you secured good percentage in your degree examination too they will obviously select you).

So don't worry, before CTS I faced lot of failures. I attended the Infosys campus recruitment but I didn't clear the written test even and I attended the Satyam by off campus as arranged by my college ( I m from ARASU ENGINEERING COLLEGE. I m a final year student). So failures are the stepping stones to SUCCESS. If u are getting a lot of failures a very good and the best one is awaiting you.

In CTS they short listed the candidates based on their ranking in the written test. I got 7th rank. Generally the interview will not be a barrier for the people who are within the first 20 ranks. So try score well in the written test. There will be no negative marking and the paper will be dam easy for you. THERE WILL BE NO APTITUDE. Just throw out the R.S.AGARWAL don't give strain to your mind. NO VOCABULARY WILL BE THERE. ONLY VERBAL AND NON-VERBAL REASONING WITH SOME PUZZLES FROM "Puzzles and teasers- by George Summers"(but only simple puzzles from that) AND SOME SEATING ARRANGEMENTS PROBLEM AND SET THEORY AND CUBES PROBLEM. AND TWO PASSAGES AND 5 Q FROM EACH PASSAGE.

HAVE TWO CLEAR COPIES OF RESUME. Along with the written test you have to pin your passport size recent colour photograph and one copy of resume and application form that they would give.

My Paper consists of three sections and my set no. is 5609

I had some twenty questions on finding the correct and incorrect sentences And then two passages. After completing all the simple questions u come to passage.. The total marks were 70. I don't know the cutoff.and even my mark. time will be more than enough I have 10 min remaining. if you have time after finishing please check your application form first, please please. Because you will be filling it in a hurry of 10 min. so you would have probably commit mistakes.

They contain some non verbal reasoning like picking the odd man out. And one set theory problem like

There is one exhibition in that there is toy for children which can be bought from three parts of exhibition.(i.e., part A of the toy will be in one part of the exhibition and part B will be in second part of the exhibition...) so the children who got part A only is 11ans children who got part B is 7 and students who got part C is 2. children who part A and C are equal. And children who got part B is 15. and the total no. of children are 121. And 5 Q from this.

SECTION I	VERBAL	25 MARKS	25 MIN
SECTION II	ANALTICAL	25 MARKS	30 MIN
SECTION III	NON VERBAL	20 MARKS	20 MIN

My Interview:

I belong to ECE dept. I know NIL software languages. I was the first member to my panel. Because they called the candidates based on their ranking in the written test. there were totally 15 panels my interview lost for only 20 min and our interaction would be for only 15 min. there was only one member in my panel. He was around 30-35 years I think. He was very cool.

Srividhya:Goodmorning Sir.

( he thought that I was going to the panel to the back of him. Actually the recruitment was arranged in SARANATHAN ENGINEERING COLLEGE-TRICHY AND they arranged for the interview in the computer laboratory in one lab there was 5 panels. they asked me to go to the center panel)

int: welcome. take your seat

srividhya:thankyou sir

int:give me your marksheets(he looked into that seriously for 2 min)

int: ok srividhya tell me about yourself

srividhya:bla bla bla

int:wats your field of interest?

Srividhya:BIO-MEDICAL INSTRUMENTATION

Int:mine too

(I was shocked and starred for a moment. My goodness at that time some volunteer of that college came to give my written test paper so he didn't notice my face)

int: ok tell me what do you know about bio medical instrumentaion

srividhya: it signifies the use of great invention of electronics in bio medical field

(And topics covered in that.though he had also involved with the same field of interest. i know but his syllabus would be different and it won't cover the new advanced technologies so..)

srividhya: the advanced technologies are BIO TELEMETRY and CRYOGENICS

(thank god my guess was wright)

int: what is cryogenics

srividhya: explained

int:wat you know in technical field

srividhya:MICROCONTROLLER(I prepared a lot on that it was my fav. Subject. but he was not interested in that)

int:then.wat are all the subjects u studied int the last semester

srividhya:digital communication

int:then

srividhya:communicaton theory and systems

int : don't you know NETWORK THEORY?

Srividhya:sorry sir. I can't recollect that

Int. but you studied in the last semester only

Srividhya. No sir I studied only computer communication networks in tha last semester(my score in that paper was 96 so he asked-I think.)

Int :ok wat are all topics you studied in that paper

Srividhya:OSI model and protocols and flow control and error controland ...

Int:no. of layers in OSI model

Srividhya:seven layers

Int:explain the function of each layer

(while explaining physical layer)

int: how the sender knows the packet was received by receiver

srividhya:by some acknowledgement

int:if the packet was lost

srividhya: the sender will resent all the packets again

int:all or only lost packet?

Srividhya: there are two types sir in selective reject all the packets that were sent after the lost packet has to sent again and in selective reject it is sufficient to send the lost packet only

Int:which is better>

Srividhya:selective reject

Int:continue your Osi model( I explaine it with a paperwhich he provided)

Srividhya:explained

Int:wat are the gates you know

Srividhya: NAND, NOR,OR AND, XOR,NOT

Int: explain XOR

Srividhya: I explained it with a truth table (but I forgot to draw the diagram)

Int:wat is the other name of XOR

Srividhya:mmmm. Sorry sir

Int: have u attended any other interview

Srividhya: yes sir I attende infisys by on campus and satyam by off campus in both if it I didn't clear the written testand I didn't attend the WIPRO

Int:ok leave that. give your 10th and 12th marksheets

Srividhya: gave that

(he viewed my certificates)

int:so, you are the topper in your college?

Srividhya: yes sir.

Int: ( he closed my resume) why Cognizant

Srividhya: it's a US based company

Int:WIPRO is also a US based company

Srividhya:but they prefer only technically stron g people. And I lack software skills but I m eager to learn that.

Int. ok. Any questions

Srividhya:how do you see that our customers are satisfied

Int:by means of surveys.....

Srividhya.(nodding my head)

Int ok you can leave

Srividhya:thank you sir

(if they ask "do you have any question?" don't ask any silly question like "am I selcted or not?" and like that. Be intellectual. atleast you have to impress them by it. it is a chance)

I attended the interview at 8:30 in the morning and the results were anounced at 6:00 pm. The in between gap was very very very hard for me to pass. for the candidates after 20 ranks the interview longed for 30-40 min. Even for the ECE and EEE students they asked questions from in depth of their subject.

TOTAL CANDIDATES APPEARED FOR THE WRITTEN TEST:3500

SHORT LISTED CANDIDATES FOR INTERVIEW:331

SHORTLISTED CANDIDATES TO BECOME A PART OF COGNIZANT:100-110

Actually four candidates cleared the written test from my college. Out of the three candidates including me were selected.

CTS PAPER ON 21st NOVEMBER

ST. Xavier's College Recruitment

November 21, 2006

KOUSHIK DAS

(M.Sc. Computer Science)

Aptitude test:

PROCEDURE of the test::

You have to answer 70 questions each of them contains 1 marks. The time limit is 70 minutes. And they are broken into 3 groups(20+30+20).The time per question is 1 minute. After every session and before starting the next session the examiner will take the previous question sheet. The total modules of questions are very easy to answer. You need not to go through with any books of reasoning or quantitative aptitude. Just give a little more attention to the time limit.

Type of questions:

a. 76 peoples read book A, 103 peoples read book B, 58 peoples Read book C; 23 peoples read both A & B; 40 peoples read both B & C; 6 person read all the books; (Marks 4- 4 question)

- i. How many peoples red both A & C
- ii. How many peoples read book C only.
- iii. ....
- iv. ....

b. Think + as /, - as \*, \* as -, / as +; (~ 10 marks:)

Sub type 1. Solve  $3+24/56*7-2$

Sub type 2. Say which one is true:

$4-2+5/6*0 = 0$  or 4.5 or 7.6 or none

c. Read two paragraphs and identifies the right answer from set of 4 results. (8 to 10 marks)

d. Tick 1 if both number 1 and number 2 is same

Tick 2 if both number 1 and number 3 is same

Tick 3 if all is same

Tick 4 if all is different (~5 marks)

1) 9444903234 2) 9444903234 3) 9444902334

- e. Relationship problems (3 marks)
- f. Synonyms and article (12-15 marks)
- g. Simple mathematics like: if S has 80% of D and S is 80 less than D; D is.....
- h. Is the following equations are sufficient to say that  $x=3$  (2 - 3marks)
  - 1.  $3x^2=9x$
  - 2.  $x^2-3=2x$
  - i) both are needed
  - ii) only 1 is needed
  - iii) only 2 is needed
  - iv) both are insufficient to answer it

#### TECHNICAL AND HR:

There was actually no separation of this two but when they were taking my interviews I am asking to answer only from Data Structure. They were going into the initial to the harder topics. Personally I was asking to say about tree traversals, BST, AVL tree, Threaded Binary Tree.... And from C, they asked me “what is the difference between call by value and call by reference.

Another common questions are

1. What is the preprocessor
2. Difference between windows and Unix
3. Difference between JAVA & C++
4. You may have to write a query in SQL syntax \*\* if you suggest PL/SQL in your CV and if they notice it, then a general question will be waiting for you “ what is procedure, function, package, trigger etc....
5. Relational algebra and normalization
6. You may have to write sorting program or algorithm
7. Sometimes they will ask you to write a C program to handle some operations on file.
8. Define class and object in terms of oops.
9. What is typedef and enum in C.
10. Reusability is the basic difference between concept of C and C++ - justify
11. How can you search your desired information using google search in an efficient and optimized manner.
12. Concept of structure and union

The recruitment procedure is very easy and all the recruitment members are very friendly. So don't get lack of confidence and always bearing a smiling face with a good eye contact. Dressed up formally. It is good to carry your CV. They actually don't want this. Etiquette and manner are 2 terms that you have to maintain through out the whole procedure. And before going in front to the interviewer you must asses yourself as they can ask you about your strength ness, weakness, relocation problem etc. Be clear, simple and brief.



CTS PAPER ON 21st OCTOBER AT KOLKATA

TOTAL CANDIDATES APPEARED FOR THE WRITTEN TEST: 2500  
SHORT LISTED CANDIDATES FOR INTERVIEW: 776

SHORTLISTED CANDIDATES TO BECOME A PART OF COGNIZANT:207

Total 60 minutes, No Negative marks

Verbal Ability 20 minutes 25 questions

Quantitative 30 minutes 25 questions

Analytical 20 minutes 20 questions

The papers will be taken back after the allotted time for each section.

First the MeritTrac People will give you the Instruction Sheet and The OMR sheet.  
Please read the instructions carefully it will help you a lot. Then You will have to fill  
some information infact a lot.

Please remember all the Semester Percentages and have them calculated on a sheet of  
paper. Have your Resume and a Photograph with you they will be pinned to your OMR  
sheet. So take an EXTRA RESUME.

Questions in the OMR SHEET:

- Name:
- Temporary address :
- Permanent address :
- Phone no.
- Mobile no.
- Email id 1                      email id2
- X & XII ACADEMIC PROFILE TABLE
- UG ACADEMIC PROFILE TABLE(1st to 8th sem)
- PG ACADEMIC PROFILE TABLE
- Any arrears?
- Reason if any?
- Have you cleared all your papers in the first attempt?
- Computer orientation: (I put C & JAVA)
- Hobbies and extra curricular activities:
- Strengths and weakness:

(Please mention them with the reason following, this helped me reduce the interview time. They will cross check by asking you the same questions in Interview so be careful to answer the same one's when asked no new once added to that.)

- What do you expect from cognizant?(answer in 3-4 precise points)
- What is your short term and long term goals?(answer one in each)
- What are the qualities you think that is necessary for successful software professional?

(Just answer in 3 points and just tell them that you think you have them in you to be a successful Software Professional. Be good in your language and avoid mistakes)

So be prepared to answer above because they will give only 10 min. so prepare well before.

I prepared on it and it took me correctly 10 min only. If u cannot answer it within 10 min they will give you answer sheets and you will have to spare your written test time. So be cautious and prepare for the last three as well and notable. Because they can ask questions in HR round from it.

Written Test

Verbal Ability (20 minutes 25 questions)

5 on Finding the Correct Sentences.

5 on Finding the the incorrect Sentences.

5 on Arranging the Jumbled Sentences.

2 Reading Comprehensions with 5 Questions in Each.

Tip : First answer finding the incorrect sentences and the Jumbled sentences, Then Correction of sentences and then read a Reading Comprehension that is short in textual matter in that order. First read the RC questions and then read the RC, You will get all the answers in no time.

Quantitative (30 minutes 25 questions) :

5 on Venn Diagrams

5 Data Sufficiency problems

5 on Binary Numbers

5 on Cubes

5 on Some Aptitude questions on Averages and Equations.

Venn Diagram Problem (5 Questions)

(1) In a party 10 take only tea 15 take tea and 8 take only coffee then what is the number of persons take either coffee or tea. (nos are not exact).

(2) In a college there are students who can play either football or cricket or both. 500 play cricket 220 play both and 600 play football. What is the total strength of the college.

(3) At an international conference, 100 delegates spoke English, 40 spoke French, and 20 spoke both English and French. How many delegates could speak at least one of these two languages?

(4) In a group of 400 readers who read science fiction or literacy works or both, 250 read science fiction and 230 read literacy works. How many read both science fiction and literacy works?

(5) In town of 500 people, 285 read Hindu and 212 read Indian express and 127 read Times of India 20 read hindu and times of India and 29 read hindu and Indian express and 35 read times of India and Indian express. 50 read no news paper. Then how many read only one paper?

\*\*the question is not exact but the wordings are similar. There was Five such type of questions;

Binary Numbers (5 Questions)

In a certain code, the symbol for 0 (zero) is \* and that for 1 is \$. The numbers greater than 1 are to be written only by using the two symbols given above. The value of the symbol for 1 doubles itself every time it shifts one place to the left.

(For example, 4 is written as \$\*\*; and 3 is written as \$\$)

(6) 260 can be represented as:

- A) \$\*\*\*\*\$\*\*
- B) \$\$\*\$\$\$\$\$
- C) \$\$\*\$\$\$\$\*\*
- D) \$\*\*\*\*\*\$\*\*

(7) 60 / 17 can also be represented as:

- A) \$\$\$\*\$\*\* / \$\$\*\*\$\$
- B) \$\$\$\*\*\*\*\* / \$\$\*\*\$\$
- C) \$\*\$\*\$\*\* / \$\$\*\*\$\$
- D) \$\$\*\$\*\$\*\* / \$\$\*\*\$\$

(8) \$\*\*\*\$ can be represented as:

- A) \$\$\$ / \$\*
- B) \$\*\$\*\*- \$\$
- C) \$\*\$\*- \$\$

D) \$\$\$\*\*\*\$ - \$\$

(9)  $30^2$  can be represented as:

A) (\$\*\$\*\$) \$\*+ \$\*\$\*\$\*\$

B) (\$\*\$\*\$) \$\* + \$\*\$\*\*\*\$

C) ( \$\*\$\*\$) \$\$ + \$\*\$\*\*\*

D) ( \$\*\$\*\$) \$\$ + \$\*\$\*\*\$

(10)  $11 \times 17 / 10 + 2 \times 5 + 3 / 10$  can also be represented as:

A) \$\*\$\*\$\*

B) \$\*\$\*\$

C) \$\$\$\*\$

D) \$\*\*\$

Binary 3 - 011 & 4 - 100 & 5 - 001 so convert it into binary n solve it.

The data in these 5 questions are not what was given in the exam. But the pattern is same

Data Sufficiency problems (5 Questions)

(Direction)Each questions given, has a problem and two statements numbered I and II given certain information. You have to decide if the information given in the statement is sufficient for answering the problem. Indicate your answer as

- (a) If the data in statement I alone are sufficient to answer the questions;
- (b) If the data in statement II alone are sufficient to answer the questions;
- (c) If both statements are required.
- (d) If the data in both the statements together are not sufficient to answer the questions.

(11) In the last month the company decided to increase the cost of its mixer by 10%. What is the present price of mixer?

- I. The cost of mixer and juicer together was Rs. 2850 a month ago.
- II. The amount of 10% increase on the mixer comes to Rs 220.

(Ans: B Because Only Statement II is needed to answer the above questions.)

Other Questions was same type....

(For this Section Just Go through Data sufficiency Chapter (Chapter 16) from R.S. Aggarwal. This is enough for answering these questions)

Cubes (5 questions)

A red cube cut into 125 equal size of small cube. Then from the top layer Remove the all the cube from 2nd and 4th row. Then do the same for the 2nd layer and so on to the last layer. After that the entire structure painted Black.

Answer the Following questions:

- (1) 4 side painted red.
- (2) 4 side painted black
- (3) 3 side painted Black

.....  
.....

Aptitude questions

(1) A and B start walking same time form the same point and walk in same direction. A walk at a speed of 3mile/hour and B 4mile/hour. After 2hour and 15 min B take a rest for 45 min. But A continuously walks. After taking rest B start to return. How much distance from the starting point they meet together? (Ans : 9 Mile)

(2) Appu ranks sixteenth from the top and forty ninth from the bottom in a class. How many students are there in the class? (Ans : 64)

Tip: First do the Binary numbers problem, its a direct lifting from the Book Quicker Maths by Tyra. It says substitute \$=1 and \*=0 and just solve the problems. There will some catches like it doubles and things like that just forget them and go on doing its just plain Binary numbers.



->Data Sufficiency was very easy. One Question on Right angled triangle in which given 2 sides we are asked whether we can find the area with just one side given, or we need both.

->Then do the Venn Diagrams. Please practice these before you go, it's very easy and it uses 3 sets on a whole. You need to solve for the intersection of those from the basic formula and you are 90% done with the questions.

->Cubes problem was a bit problematic and confusing. It will be better if you try it after solving other problems. Though I was not able to solve the cube problem, I scored 18 out of 25. But some times they give some simple cube problem. Then do it first. Like the following problem

\* A cube which is painted all side is divided into 125 parts

Q How many single side painted

Q How many 2 sided

Q how many 3 sided

Q how many none

this is very easy if u use the formulae

Total no.of cubes=  $n^3$

exactly one face= $6*(n-2)$ whole square

exactly two faces painted= $12(n-2)$

no face painted = $(n-2)$ whole cube

Analytical (20 minutes 20 questions)

5-6 logic questions like

1)All Fans are Coolers

Some Coolers are AC's

2)No Politician is Honest

No honest person is intelligent

3)All fruits are vegetables

All vegetables are green

choose the conclusion from following.....

Some figure odd man out matching questions (10 questions) like

(4)

Ans : (a); Because All other figures have the four cups opening in the different direction.

Nonverbal from RS Agarwal will help you a lot. Some easy questions in picture based to look forward will be the figures which are closed and open figures. There will be only one Closed figure and other open and surely and ODD man Out

One puzzles Question is also there. 3 Questions asked from this puzzle. (I don't remember Questions)

As a whole the paper was easy. There was no negative marking that's why I answered all the questions. I saw my score at the time of interview. It was

Verbal Ability = 8

Quantitative = 18

Analytical = 9

Total = 35 out of 70

Our result announced on 25th October in CTS website. I saw that I was short listed for the interview. Total 767 students cleared the aptitude exam. My Interview was on 26th October at 10 am at Techno India Campus, Salt Lake , Sector-V. So I got only half day for prepare myself for the interview.

Next day I got strange when they call me for interview first of all. I was the first candidates who gave the interview.

Technical + HR Interview

There were two men near about 30 years old were in my panel (panel No. 1).

Me: Good morning sir.

Interviewer: Good morning Arindam. Please sit down.

Me: Thank you sir.

Interviewer: Tell me something about yourself.

Me: (I gave my Introduction)

Interviewer: What was your final year project?

Me: QAM

Interviewer: What is QAM?

Me: This is a special type of modulation by which.....

Interviewer: What is Modulation?

Me: (I told the definition of modulation)

Interviewer: What is Band Width?

Me: (Answered)

(Actually I was not well prepared in my project, that's why I tried to convert them into my favorite subjects)

Me: Sir, My favorite subjects are C, Microprocessor, Digital Electronics...

Interviewer: Ok, rate your technical skills in C out of 10?

Me: 6/10

Interviewer: Explain the whole process from writing code to execution of a C program.

Me: (I explained with draw proper diagram)

Interviewer: What you have done in C?

Me: I did various type of C program in our computer lab. And there was also a theoretical paper in our syllabus.

Interviewer: What type of programming you have done in your lab.

Me: Shorting, Searching ...etc (Actually I was confident in Shorting)

Interviewer: Do you know bubble short?

Me: Yeas sir.

Interviewer: Can you explain it?

Me: Yes sir I can write the total program also.

Interviewer: Ok, write it down.

Me: (I write whole program and explain it.)

Interviewer: Do you know pointer?

Me: Yes sir.

Interviewer: Explain \*p++, ++\*p and (\*p) ++

Me: (I explain each & every statement by using diagram)

Interviewer: ok... Good.

Interviewer: How many types of addressing modes are there in 8085?

Me: Two Types of addressing modes. (1) Memory mapped I/O, (2) Peripheral Mapped I/O

Interviewer: No there are 4 types of Addressing Modes.

(But I know only 2 types of addressing modes.)

Interviewer: Why CTS?

Me: It is an US based company... (I told some reasons)

Interviewer: But CSC also a US based company

Me: (I told some another points)

Interviewer: Have you any interest in onsite work or r you ready to go abroad?

Me: If company thinks that I have the capability to go to abroad then I am ready to go.

Interviewer: Suppose you think, in your team you are best. But your team leader does not think so. He thinks that some other in your team is best and gives him the opportunities to go to abroad. Then at this moment what will be your personal feelings?

Me: Sir I think that every one's thought may not be same. According to me I am best but according to him I may not be best. It is a human nature. So I will easily accept his decision. Company will not work only on my thoughts. I believe if I have really the capabilities then one day he will obviously think about me.

Interviewer: Ok Arindam have you any questions?

Me: please tell me something about the training program in CTS.

Interviewer: (He answered) Have you any other questions?

Me: No sir.

Me: Sir may I know your name please?

Interviewer: Yeea sure, I am Nilay.

Me: Thank you sir.

Interviewer: Thank you Arindam. You just wait outside for HR interview.

Me: Ok sir.

(My Interview was just only for 20-25 min. I was the first candidate for HR round also)

HR Interview

Interviewer: Tell me something about yourself.

Me: (I started from my family background)

Interviewer: (He Stopped me and told) Please tell me some thing about your self not about your family background.

Me: Ok sir, I have just passed my B.Tech form DIATM this year with an DGPA of 8.16.....(After telling 2-3 sentence another interviewer came who took my Technical interview and gave to him my aptitude exam paper and marks of technical round)

Interviewer: Have you any hobbies?

Me: Yes sir, I would like to play guitar and listen music.

Interviewer: Tell me some thing about your campus placement.

Me: Sir, I cleared the aptitude exam in IBM and CSC, but I was not able to clear the last round. And in MBT and Caritor I was not able to clear the aptitude exam.

Interviewer: Ok Arindam you just see the final result in our website.

Me: Thank you sir.

CTS PAPER & INTERVIEW ON 25 JUL 2006 AT HYDERABAD

Hi Frnds,

I have written CTS on campus aptitude exam which was held on 25th of July. The aptitude was very easy, but it was difficult for some students. As I am an CAT aspirant I

felt tat it is an easy paper. Even though the whole selection process was based only on the merit, you really don't have to bother about the aptitude if you have good percentage. In our college the pple who din write the exam properly but havin % >68 are called for interview & hr. Even if you do extreamly well in the apti exam but havin % less tan 65, then it is waste writin it. But I guess it depends on the clge too.

Total present : 300 (appx)  
Selected for interview 120(appx)  
Final selection : 45-50.

The aptitude is divided into three sections, without cut off.. so u could try putting guesses.

- 1) Verbal
- 2) Quant
- 3) Logical reasoning.

1) Verbal:

Almost all the verbal section questions are correction of sentences (10 questions). 4 jumbled sentences, you have to arrange em in proper order to make it look meaning ful. 2 Reading Comprehensions(10 questions) were given. But try doing RCs only after you are done with the correction of sentences stuff. I would give you some CAT, TIME institute material numbers which you could refer em and do the exam perfectly.  
For correction of sentences : time material SM100713. (exercise-8) & V102  
For jumbled sentences : time material SM100713 (exercise-1) & SM100703(exercise-19).  
Reading Comprehensions any thing is ok. But yu must be fast at reading.

2) Anal:

Cube questions : CAT material SM100708 (chapter : 11)  
Data sufficiency : CAT material SM100707 every thing. But know only basics tat is enough..  
Series is given 54 27 30 15 18 9 \_\_\_ ans: 12

\$ and \* problem is given.... If you know to convert a number from binary to decimal and decimal to binary then this can be done with ease..

Eg: \$ is 1 , \* is 0 then how can v represent 15???

Jus convert 15 in to binary ..it wil b 1111 so answer is \$\$\$\$ bcos \$ is 1

About 5 questions are given based on this..

The rest I don remember...

3) Logical reasoning:

This is the easiest section of all.. logical connectives, deductions are given...

Deductions means.....

Eg: All men are sane

Some sane are insane.

Then which of the following logically follows the given two...

- a) Some men are insane.
- b) No man is insane.

- c) All men are insane.
- d) None of these.

CAT material no. for Deductions and logical connectives SM100708 chap-1 & chap- 2.

Some diagrams wer given and v wer asked to find out which is odd lookin tan others...Some problems similar to seating arrangement are asked..but not seating arrangement..

Tat's al this test is about...

Interview and HR:

If you are one of the top 40 students who went in for this..then you are lucky!!!! These pple were asked simple questins and the interview didnt even last for 5 mins but as the time goes the toughness as well as the time increases...but chances also increases... Various questions from different subjects wer asked... for example questions even from Management science are asked..but it depends on the answer which yu give for the previous question he has asked. yu hav to drag the topic to go in your favour.....it is not how much tech stuff yu hav but it is abot the confidence and enthusiasm yu hav it in yu while yu answer the questions.. once yu are thru the apti then ther is no need 4 yyu to worry...jus b confident. Job is yur's.

Even thoug I din get selected bcos I hav a bak log. I hav to do favour to this community which has given some info to me earlier.. Al the best to yu pple..and keep helping this community.

CTS PAPER - 25 MAR 2006  
CTS 25 March 2006

someone had said that "The best way to pass in a companies exam papers is to get them in advance". I think we all agree with him.

instead of writing pattern we should write questions or both ;-)  
I am providing you questions (and pattern) to the best of my knowledge even if the units are exactly not the same i am sure you will not worry about them.

paper was by meritrac pattern if u know  
omr sheet was provided time constraint, no -ve marking, 70 ques  
ans sheet had questions like  
a.write ur strengths+weaknesses  
b.what r the skills req for a software job  
c.software skills  
d.what do u want from cts

1. verbal ability (time 20 min 20 questions)

1.simple sentences and fill in the blanks (a,an,the) 5-6ques



2. words with same meanings (fill in the blanks) 5-6 ques (vocab required)  
3. two passages  
a. microprocessors (5-6) ques  
b. sales executives "  
don't remember more it was too easy

2. mental ability (25 ques 25 min)

1. simple questions from sets  
a. 200 read a, 300 read b, total person are 500, 50 read neither, how many read both  
(sol :  $500 - 50 = 200 + 300 - x$ )

( + 4 ques more of same type)

2. 1.654839 2.654839 3.654829  
a. if 1 and 2 are same  
b. if 3 and 1 are same  
c. if 3 and 2 are same  
d. if 1, 2 and 3 are same  
( + 6 ques more )

3. analytical ability (slightly difficult ) (25 ques 25 min )

1. a cube initially colored blue from outside is cut into 4 equal parts. two parts diagonally opposite are further cut into 27 equal parts each. how many have  
a. exactly 3 colored sides  
b. exactly 2 colored sides  
c. exactly 1 colored sides  
d. more than 1 " "( + 2 more ques same type)  
(sol : think of picture in your mind . whatever u get for one side double it)

2. 0 is represented by \*, 1 is represented by \$, 4 by \$\*\*, 3 can be written as \$\$ in the same system  
a. 65 will be  
b.  $14^2 - 13^2$  will be  
( + 4 more ques)  
(sol: see carefully it is binary system (4 is 100 , 65 is \$\*\*\*\*\*\$, 3 IS 11))

3.  
if + is represented by /, - is represented by \*, \* is represented by +, / is represented by - then  
 $20 + 40 / 10 - 100$  ( data may be wrong)  
( + 6 ques more )

i was selected in written but not in interview (u need comm skills only + some os, dbms, c).  
other ques easy

the ques that made the diff are written above  
extremely sorry cant remember more  
i think we all should contribute some questions AFTER GIVING THE PAPER

**\*\* WHAT MAKES DIFFERENCE IS THE HOW RECENT THIS PAPER IS \*\***

### CTS PAPER ON 25th NOVEMBER AT HYDERABAD

Hi friends...I am Bhagya..selected for CTS on 25 november held at Venenberg IT park...hitech city.....

I have selected for the written test which was scheduled on 19 nov.....

The written test consists of 3 sections.

1)English(25 q's--25 min)

2)sec2(30 q's--30min)

3)sec3(20q's-20min)

Each section have sectional cutoff.....have to be carefull in this sense....

#### SECTION1:

English:

first 2 questions are correction of sentences.....there were 4 sentences..and 4 options.....there will be 2 passages..which are time taking...for each paragraph there where 5 questions of which 3 can be directly inferred from the passage and remmaing we have to deduct from the passage.....total there will be 5-6 correction of sentences and 5-6 jumbled sentences which means 4 sentences will be given and we have to arrange them in correct order.....

english section is time taking and the cutoff is likely to be 6-8.

#### Section 2:(verbal reasoning)

First 5 questions were logical venn daigrams...then there were questions on data sufficeincy which were very easy to solve....no need of preparation.....then problem on cubes(5 q's)....

cubes problem.....

2 cubes are there....first cube is dived into 125 parts..and second cube is divided 64 parts..each cube of 1 unit....now these 2 cubes were joined....now the cubes which are in the daignol of both the bigger cubes were removed....now both cubes were joined and painted on the outersurface.....

-->How many cubes are there which are painted in on sides....3 sides..2 sides....1 side..and 0 side painted.....

#### Section 3:(non verbal reasoning)

Given below are two premises. Find the conclusion.

- 1) All students are not intelligent.  
Only intelligent pass the examination.
- A) Some students are intelligent.
  - B) Some students who pass the examination are intelligent.
  - C) Some students pass the examination..
  - D) none of the options..

- 2) All boys are handsome.  
Some handsome are cheaters.
- A) All handsome are boys.
  - B) some boys who are handsome are cheaters.
  - C) Some cheaters who are handsome are boys.
  - D) None of the options

- 3) Some teachers are adults.  
Some adults are poets
- A) Some teachers are poets
  - B) Some teachers who are adults are poets
  - C) Some adults who are not teachers are poets
  - D) None of the options

- 4) All intelligent students are merits  
Some intelligent students are poor
- A) Some intelligent students who are merits are poor
  - B) All poor people are merits
  - C) Some people are not intelligent students
  - D) None of the options

- 5) All P's are Q's  
All Q's are R's  
All R's are S's  
Some Q's are T's
- A) Some P's are T's
  - B) Some P's which are Q's and S's are T's
  - C) No P's which are Q's are T's
  - D) None of the options

6 and 7)

Which of the following given options logically follows the given statements?

6. I will do my homework if I have time
- a) I have time
  - b) I will do my homework
  - c) I will not do my homework
  - d) I don't have time

- A) a and b
- B) c and d
- C) d and c
- D) none of the options

7. If the light is switched on, then I will study.
- A) the light is switched on or I will study
  - B) I will not study and the light is not switched on
  - C) I will study or the light is switched on
  - D) the light is not switched on and I will not study

There were 2 questions are series and 8 questions on odd man out.....these were also very easy.....

Each of the four students Kunal,Rajesh,Rashmi, and Poonam went to a Test centre for giving their GMAT exam. They were wearing four different colors Maroon, Purple, Blue, and Yellow not necessarily in the same order. There were four cabins Cabin1,Cabin2,Cabin3 and Cabin4 in the test centre. Each cabin can accommodate only one student.

If Poonam wears Purple then Kunal wears Maroon. If Poonam sits in Cabin1 or cabin3, then Kunal sits in cabin2. If Rajesh wears Blue then Rashmi wears Yellow. If the person who wears Blue sits in cabin2 then the person who wears yellow sits in cabin3. If Rajesh doesn't wear blue then Kunal wears blue. If Rashmi wears yellow then Poonam sits in cabin1 or cabin4. If the person who wears maroon sits in cabin2 then the person who wears purple sits in cabin3. If the person who wears purple sits in cabin2 then rashmi sits in cabin4. Kunal doesn't wear blue.

1. Who sits in the cabin3?  
a) Kunal b) Rashmi c) Rajesh d) Poonam
2. Which color is worn by Kunal?  
a) Maroon b) Yellow c) Purple d) Blue
3. Which color is worn by Poonam?  
a) Maroon b) Yellow c) purple d) Blue

This is all about the question paper....i was called on for the interview on 25 nov at venenburg IT park Hitech city,hyd at 11 am

I have to wait till 1:23pm....

i have a panel of 3 members...1 female n 2 male.....

When i just have their attention the lady stood up gave me a shake hand..the 2 HRs also wished and posed some quick questions...which made me entering into a nervous state....

Afterwards they had repeated said me not to get tensed.....i was thinking that probably i was thatmuch tensed at that time....and some HRs often use this to check the candidate.....

the interview started....

As there were 3 members i maintained eye contact to all the 3 members who ever has asked the question.....

int1) Tell me about ur self which is not in this sheet(i.e..sheet will be given which has to be filled by us at the time of the written test).....

me)I have started with my acheivements and hobbies which where interupted by the interviewers..i explained them.....  
they were impressed at my achievements.....

int) What were doing from the last 4 months i.e.,from date of releiving for your college....

me) i turned this question as an addvntage.....

int) Tell me about an situation where your frns n colleagues are against you and you had won in that situation?

me) this also i did it well by saying about by team spirit and determination.....

int) tell me most interesting thing that happened in your life for the last 1 week....i was unable to answer so he extended to 1 month and then to 1 year....

me) i answerd by saying again my achievement..and he was satisfied.....

int) he just wanted to test my practical knwledge as i have good tracjk record...he asked me waht are practicles you have done in 8086 mp...since iam ECE....

me) inserwed and explained the reason for doing them.....

this ends my tech intrvw....

he asked any questions about CTS....

me) Cts is an us based company and it has palce in american stockexchange...but i has no place in BSE,NSE which where indian stock exchange ..... Why CTS is not utilising this booming economy?and Why CTS has no origin in INDIA?

int) good question...he explained.....

me) Being an ECE is it req to learn any courses?

int) aswered....

me) I asked his name....and told thanks and gave shake hand.....

this ends my interview.....

CTS PAPER ON 25th NOVEMBER AT SECUNDRABAD

hai friends

regarding cognizant what u have to do is just go for RS AGARWAL (verbal and nonverbal) prepare it dont go for aptitude and dont look over previous papers bec pattern is changed and in RSagarwal do the puzzle test and CUBES and from these topics u will get up to 20 bits

and the test pattern is

Section 1: verbal - 20 minutes 20bits(objective)

3 passages and correction of sentences

(nothing to do with this this maximum it is gods grace abt this section)

Section 2: logical reasoning - 20 bits 30 minutes

easy section we can score from this section puzzles and cubes do this it is enough

Section 3: mental ability - 20minutes 30bits(objective)

very very easy no preparation is needed just oddman out and very simple bit u can score maximum

tottally 3500 students has attended only 550 are short lis

i got a call for interview on 2nd dec and interview is kool it is a mix of technical and hrrrrr

i am selected for CTS i am very happy this is my 20th attempt

.....\*\*.....best of luck.....\*\*.....

CTS PAPER ON 26th NOVEMBER AT BANGALORE

I attended CTS in Atria college, Anandnagar, Bangalore. I would sincerly thank all my friends in .

(I dont know as of now whether I have cleared or not)

Pattern

Please prepare for this questions:

Software Orientation:

Hobbies and extra-curricullar activities

What are your strengths and weakness

What are your expectation from CTS

Why CTS

What are the qualities necessary for a software proffesional to besuccessful.

Please note ur graduation and post graduation marks semester wise.

No negative marking. mark all the ans pls. Same pattern as mentioned in prev paper.

Verbal: 2 reading passage too lengthy... 10-12q;

3-5Q on jumbled word (read the ans then form t right pattern from Q).

10-15Q find correct/inorrect sentence.

Analytical: 5Q on venn dia

APPROX TYPES OF Q:

1) if 50% eat apples,60% eat oranges,50% eat bannana. 20% eat both apple and oranges, 30% eat orange and bannanas. 20% eat banana and apples. 10% eat all of them.

i) how many % does eat any fruits

a)0 b)10 c)30 d)20

ii) how many eat exactly two fruits?

iii) how many eat only apple?

2) Out of 100 students, 74 passed in physics. 76 passed in chemistry and 60 passed in both .

How many students failed?

3) 3 cubes prob... it was like u have 27 cubes one side is dipped into green. then u remove the middle cube of every face and cut into 8 smaller cubes and smaller cubes are dipped in blue...

Q were more to do wit diff between t cubes of green and blue which are painted on two sides...

i cant recollect exact Q

4) There are 8 ppl sitting in anticlockwise direction. P,Q,R,S,T,U,V,W.

It is a square/rect arrangement with 4 on each side.

Q is on left of R. V is on right of T. S and W are opposites.

T is in between V and W.

i) who is opposite of P

some options

ii) which of the statment is true

R is opposite of Q

like that type

5) Some 5 Q on binary number system(\$ is for 1 and \* for 0)

i) whts the LCM of (13,26,30)

ii)  $3*4+15-6/3$  can be expressed as

iii) 1176 is represented as?

(some options in \$'s and \*)

6) More than 6 Q on Data sufficiency prob

Attention to details: Easy.

Like IQ quizzes ask some pattern and asks to find odd... 5-7 such types

Please score more than 35....

HR+Tech

I had for 20 mins.. one interviewer

Me: with a smile. Good afternoon.

Intr: Good afternoon. Please sit.

Me: thank u

Intr: Tell me about your self

ME: I told my educational Qualifications, extra extra-curricular activities. He was cutting me in between but I answered and continued.  
Intr: quite, lookin thru my resume and other stuffs.  
ME: should I continue with my hobbies?  
Intr: yes..  
ME: Charcoal painting, reading novels, listening to music (everyone's hobby :))  
Intr: Charcoal painting.. tell me more about it? I m interested in painting...  
ME: explained.  
Intr: coming back.. u kno C, C++, .Net... looking thru my CTS form...  
ME: yes sir, i did my proj using it..  
Intr: ok tell me whts ADO.net  
Me: its an interface using which dynamic web pages can communicate thru DB.. blah blah blah.  
Intr: u have done very good in interview. he glanced thru the rough sheets.  
(2 sheets are provided attached to the form.. some were asked q on how u solved tht prob. if u can try to be neat and expalin ur logic while writtin ur paper.)  
Me:thanks.  
Intr: u know sql server ?  
Me: yes  
Intr: write sql cmd to generate first 100 lines of tables  
ME: tried but i forgot, i had done but cant remember.  
Me nxt Q  
Intr: ok whts CLS  
ME: clear screen.. huh sorry i was thinkin of prev Q.. almost he said but I said Common Lang Specification.  
Intr: wht are other tpyes u kno..  
ME: I said CTS, JIT, FCL etc.  
Intr: started writin a prob.(i interrupted) he said dont talk much, i became quite.  
ME: sir u forgot inheritence. actually he wanted to ask a q on overriding but he forgot to inherit class B. anyway he corrected.  
Asked me what will be output. I replied instantly.  
Intr:Y?  
ME: started explaing overriding  
Intr: what is Dataset and DataReader?  
Me: explained  
Intr: which is disconnected?  
ME: explained. but he was tryin to interrupt, confuse me.. i dont kno.. I convinced him.  
Intr: Any Q?  
ME: when is t training and how long is it?  
Intr: said 2 mths training.  
Me: thank u sir

Mine was both Tech come HR.. just be prepared.. it seems they stressed on project. and Software Engg subj. for me .Net...

be confident. talk as much as u can... Only u get few mins to make impression. be cool.



CTS Paper, 27th July 06, HBTI Kanpur

Hi frnds.....

CTS visited our campus for the first time on 27th July 06.

It was 7th company visiting this year.

Out of 263 .....195 were short listed n finally 66 were finalized through interviews.

And LUCKILY I was among the finalized candidates.

It was Calcutta team of CTS that visited our campus.

The selection procedure consisted of two phases:-

1) APTITUDE TEST

- a) Verbal
- b) Analytical reasoning
- c) Logical

2) INTERVIEW

Technical + HR combined

APTITUDE TEST

This portion consisted of three sections

a) Verbal:-

Two reading comprehension, find out correct /incorrect sentences, Prepositions, articles etc.

I would suggest to leave the RC first n try other things. If possible go to RC at last if time remains. Paper is so long dat will remain.

b) Analytical Reasoning:-

Questions based on sets, Venn diagrams, binary no. problems like \$ as 1

And \* as 0, 1 question was on AP, cube problems etc.

c) Logical:-

Find the odd one out, questions based on some P's are Q, some Q's are Z and then to identify the correct relations among the given options.

For this RS Agrawal would be sufficient.

## INTERVIEW

Interview was only one comprising of both technical n HR. There were 7 panels running parallel. CTS had brought each branch specified person n so the interviews were conducted. I would say just have confidence n a little bit of core-technical.

Questions were as follows.....

May I come in sir.....

Yea sure Gaurav plzz come in.....

Plzz have Ur seat...

Thank you sir....

1) plzz tell me about Urself , Ur family background, qualifications etc....

In this way he cleared every point 2 be mentioned. As this question is 2 difficult 2 answer

2) What r Ur strengths?

3) What r Ur weaknesses?

- 4) Can u give any example from ur life so dat strength n weakness can be judged.
- 5) What r ur hobbies?

Reading tech magazine, surfing, playing computer games.....

- 6) Which magazine do u read?
- 7) Who suggested u this magazine?
- 8) Have u made any project 4m this magazine?
- 9) Which type of comp. games u play?
- 10) How many games have u completed up 2 this time?
- 11) Why young generation loves fighting games than other games?
- 12) U said u participated at Robogames IIT Kanpur.
- 13) What do u mean by Robogames?
- 14) What was the task u had 2 face?
- 15) Whether still u have that bot?
- 16) What qualities acc 2 u a software engineer must have?
- 17) What do u mean by communication skill?
- 18) Is speaking a good English means good communication skill?
- 19) Can I have Ur CV plzzz

Yea sure sir, he directly went to the 4th page

- 20) What were Ur subject in 4th sem.

I could only recall 4 subjects.....n then he gone for next question....

Then tech. portion started.....

- 21) U presented a seminar on artificial intelligence. What does it mean?
- 22) Have u read OP-AM?
- 23) What r the characteristics of OP-AM?

24) Can u derive the closed loop gain for OP-AM?

Yes sir, then plz derive.....

25) Have u read flip-flops?

26) What r these?

27) How many have u read?

28) Can u make table for them?

29) How many gates have u read?

30) Can u prepare the OR or NOR gate with the help of transistors, capacitors, resistors etc.

Yes sir. Then he made me 2 make the ECL gate comprising of both NOR n OR gate.

31) Can u prove the truth table for this?

32) Well have u read CHIP DESIGNING or manufacturing?

I recalled that I have read VLSI-designing but not even a single process was in my mind. So I said .....

NO SIR.....its in the next sem.

He agreed n gone for next .....

33) Do u want 2 ask something 4m CTS?

Sir CTS makes us 2 undergo a workshop of 20-25 days at one of its centres, Is dat period included in the training or apart 4m dat.

He was amazed at this ques. N said how I no these much things . I gave him the reference .he explained the answer.

Then I asked, in the test conducted at those centres if some body fails then whether company gives them joining or not.....

HR said why do u hav such a negative thought?

It was a wrong question asked at dat moment but I changed the mood

CTS PAPER ON 28th OCTOBER AT CHENNAI

Hi all this is the paper prepared by Meirt Trac for COGNIZANT, so you cant find much problems

THIS TEST DID NOT HAVE NEGATIVE MARKINGS

The paper is of three sections:

\* Verbal- 20 min

\* Analytical- 30 min

\* Logical - 20 min

VERBAL:

=====

It had two reading passage in which one is easy and the other is tough,answer these atleast so that time can be saved.

Remaining where finding correct & incorrect sentences from a set of sentences.

Then you'll be asked to arrange the given set of sentences to form a meaningful paragraph & select the correct order.

ANALYTICAL:

=====

It had sums like

1) there are 473 movies in which 11 movies are available in 1-CD,2-CD,3-CD pack.

254 movies are available in 1-CD pack,50 movies available in 1-CD and 3-CD pack.

4 movies as 1-Cd and 2-CD pack.18 movies are available as 2-Cd and 3-CD pack,etc..

And from this you'll be asked to find out how many movies are available only as 1-CD pack and 2-CD pack & 3-CD pack.

What will be the difference in 1-CD and 2-CD pack... like this..

2)No cats are dogs

No dogs are Zebras

you'll be given answers like

- i) All cats are zebras
- ii) some cats are dogs
- iii) No cat are zebras
- iv) All the above

Five r six q's based on the previous one

If 0 represents \* and 1 represents \$ and value of the symbol of 1 increases as it moves to left.

For ex: 3 as \$\$ and 4 as \$\*\*

Then you'll be asked to find value of

- 3)  $13 * 21$
- 4)  $(360)^2$
- 5)  $\text{LCM}(6, 12, 21)$

6) You'll be given a question with two statements (I & II) and you'll be asked to tell as

- a) can answer with I only
- b) can answer with II only
- c) can answer with both I & II
- d) cant be solved

five or Six q's are given based on previous one...

And some more questions like this.....

Logical;

=====

A painter is asked to cut a cube into 3 layers where he's asked to cut one layer into 4 smaller parts,

the other layer into 9 smaller parts & the last one into 16 smaller parts. He has to paint the exposed part with black coat.

1) How many parts are painted with more than 2 sides

- a) 6
- b) 4

- c)12
- d)none of above

2)How many parts are painted with more than 3 sides

- a)8
- b)4
- c)12
- d)0

3)How many parts are painted with more than 1 side

- a)1
- b)6
- c)5
- d)0

4)How many parts are NOT painted at all

- a)2
- b)1
- C)3
- d)0

Then you'll be asked to find the expected picture from the given set of pictures.

Five or Six of the previous type

Next you'll have ODDMAN OUT from the given set of diagrams

Five or Six of the previous type

Totally you'll have 65 to 70 q's

**THIS TEST DID NOT HAVE NEGATIVE MARKINGS**

Time management is very essential in Verbal and have to concentrate on other sections too..

All the best to all..Go with Confidence and win the test

CTS paper ON 29th AUGUST 2006 AT KOLHAPUR

Hy freinds,

. I was just appeared for campus interview of "CTS" .It was very good experience for me. There was a open campus which held at D.Y.Patil Collage Of Engg.,Kolhapur.

Total 468 students from 10 different collages appeared for CTS. There was basic criteria to appear for aptitude test that is SSC and HSC 60% and Engg. Aggregate 60%. Criteria for MCA student was different which I don't know.

Firstly company gave us presentation and then they sent us to different class room. Then MeritTrac People gave us instruction Sheet and The OMR sheet. Please read the instructions carefully it will help you a lot. Then You will have to fill some information in fact a lot. I filled whole of my resume into that OMR sheet.

Please remember all the Semester Percentages and have them calculated on a sheet of paper. Have your Resume and a Photograph with you they will be pinned to your OMR sheet. So take an EXTRA RESUME.

Questions in the OMR SHEET:

Name:

Date Of Birth:

Address:

Permanent Address:

Phone:

Email ID:

Nationality:

10th Percentage

12th Percentage

Semester wise percentage

Aggregate percentage

Computer skills

Your Strengths and Weakness

Your Hobbies

Any backlog etc.

Then they gave question paper one by one because there were three section which given below:

Verbal

Analytical

Reasoning

My Question booklet no was 39400

Verbal(20 Min)(25 ques)

It basically consisted of 2 passages both were long. and que based on it. 5 questions like select the correct sentence from 5 choices given(there can be more than one sentences like both a& b, a alone, both b&c and so on). Then comes choose the incorrect sentence, then there is also things like rearrange the sentence for form a paragraph.

Friends one thing I want to say you that please do more practise for English, because there were more question in less time.

Friends Rembr this is important first do the grammar part and then go for the passage or else a lot of time will be lost. Try to do better in this session because I thing there is no separate cut off and the next session was a bit tough for me. I couldn't go through one passage.

2. Analytical reasoning (30 Min)(25 ques)



This one was a bit tough it consist of 5 question form cubes,5 like icecream just as some people eat choclote some vanilla some straberry and question is asked on this.There were 5 question on binary which as follow:

Eg1: 1 is represented by \$ and 0 by # I think so and some conditions are given like after some operations it shifts right or left or so on and five questions are based on it, addition,LCM,etc

Eg2 A question based on seating arrangement is given like A B C D E F are to be seated in a row of 7 chairs . then some conditions like A and B , C and D should be at same distance and E and should be seated alternatively and the last condition was that E should not be at the left most poison. Five que based on it are given and you have to ans it. The first was the possible way of arranging them( note go though the choice and find the ans coz there are more than one way of arranging ) and there where remaining 4 que don't rnbr but are easy)

### 3.Mental Ability:(20 min)

This is the best part where you can score a lot the question are from verbal and non verbal reasoning by RS Agarval . plz refer these chapters

1. Data sufficiency (Chap 16)
2. logic (session 2 chap 1 ,doing the solved eg is enough)
3. choose the odd man out (simple fig are given ,I rnbr the fig of 4 similar face of a man and the difference in it is that one has only one cheek and the remain que was simple circles overdrawn, squares ,pentagons and so on)
4. 5 general aptitude que which I didn't answer

There was 122 student selected from 468.

Remember there is no negative mark so try you luck,God is with you guys.

No need to go through RS Agarvals Quant Aptitude Just study the verbal and non verbal reasoning of RS Agarval.

After the result of aptitude i were selected and then next round is interview round there is no gd round.

Interview session(tech&HR)

Before interview they checked the mark list that there are no more than 2 supplies

Me: Good after noon sir.

HR:Good after noon,Sit down.

Me: Thank you Sir.

HR(m): ok tell me about yourself.

Me : I gave a crisp and confident answer(the man never minded me).

HR(f):He asked why you are coming to maharstra from rajasthan (because i am from rajasthan)

Me: I answerd with faith reason.

HR(m):Draw the diagram of Integrator ckt(because i m from electronics branch)

Me : I draw it.

HR(m):Ok,tell me about some TV channel which you want to see(because i mentioned my hobby as watching tv)

Me: Star Plus,star news etc.

My interview was only for 5 minutes.

Some question you prepare like

Why IT field,Why electronics(if u are from electronics)

why should we hire you

why cognizant

Position 5 years from now.

what do you expect from us( don't say high salary say job satisfaction and promotion)

how long will you continue in CTS(I said along as I could contribute my entire potential for the development of the company)

Some of these que are there with the answer paper say only what you have filled in it.

He also asked my percentage I scored in B.E.

I waited for the results it was published by 8 pm . I am so happy that atleast I made it and got the offer letter to join as a software trainee the offered 2.5 lack during training and 2.7 after 1 year.

All the Best for you guys." Gods always with us", 'coz we deserve the best. Hope we meet at CTS.

CTS PATTERN - 29 JAN 2006 - CHENNAI

Hi Friends,

I would also like to share my moment of happiness that I have been selected for Cognizant Technology Solutions (CTS) through their off-campus recruitment for Freshers. I applied online in their website [www.cognizant.com/campus](http://www.cognizant.com/campus) in July.

Finally I got the Hall Ticket. The Aptitude Test was on Jan 29, 2006 at Santhome Hr. Sec. School in Chennai at 9AM. I took the test and we had 40 questions to answer in 1hr, each correct answer carrying 1 mark, unanswered ones carrying 0 mark and each wrong answer carry -0.25 mark. I tried to solve the questions from 1 to 40 but the very first question [in maths] started absorbing some time so I switched my plan to start from the 40th. Its good to start from the last question or from the English questions, which takes less time comparatively, finish English first and go for easy, understandable and straightforward maths questions. This is the idea I can suggest to gain marks and time. I was satisfied with the performance and the next day evening after 6.30PM we had the list of short-listed candidates available on CTS website.

Around 700-750 got listed.

I had Tech interview on Jan 31, 2006 at CTS Navalur. As soon as we entered we were asked to fill the application form. The details to be filled in the form were your personal info, your semester wise marks and percentage from 10th to UG or PG.

- Total no. of arrears

- Areas of interest

- Why you like to join CTS
- Qualities to be a good SW professional and the qualities that you possess
- Your hobbies
- Your greatness and weakness.

There were around 20 interview panels and some panels had 2 interviewers and some had 1. The interview was 100% technical and generally the first half of the interview session would be purely from your Final Semester Project. Be thorough with your projects when you go for the Tech Interview - take your project report without fail. Try to say what is the most innovative and important feature of this project. The interviewer drilled me with different questions, I was able to convince him very well and had accepted the mistakes that I committed in my project. The next half of the session would deal with questions on your area of interest. I wrote OOPS, C++ and Data Structures - Most of the questions were from the area that we have written and one or two general questions from other concepts, but be thorough with the areas of interest that you have mentioned on the application. Be cool and don't worry if you are relaxed all the questions are straightforward. They checked my mark sheets before I left. Got the result of the tech interview thru email, you would get the mail surely even if you have not cleared.

I got the mail on Feb 8, 2006 saying that I have cleared the Tech interview and have HR interview on Feb 11, 2006 at CTS - Cathedral Road. I was told to bring all my Mark sheets and degree certificates from 10th to PG. Basically they look into your communication aspect in the HR. Everyone had different questions so no need to worry. One common question they asked was about the family and what are you currently doing. I was working for a Call Center and I told that and they asked me who was the client am working for and the pay I was getting in that Call Center. The interview was quite easy, be careful that you fill-in the same marks everywhere and please be true with the number of arrears, don't worry I had two arrears in my PG and still I was selected.

I got my confirmation e-mail that I have been selected and I was asked to join on Feb 17, 2006. So friends don't worry if you get a call for the Aptitude test from CTS. I completed in May 2005 and I was waiting for a suitable break for so many months so keep trying and God would surely help.

For me, personally I do not want to name the companies, but I had to go thru around 30-35 companies before I got selected in CTS. There will be some company to pick you and lets not loose hope. It's quite tough to live without a job and I lived with it and just to get rid of that mind block I joined a Call Center, which helped me to a certain level.

This is my complete experience and I know that you can have all the CTS papers from the website. I have the same set of papers that is available on the website and I just practiced those papers. I also made use of Objective Arithmetics by R S Agarwal. I feel every student and freshers should own this book, it's a useful book to clear so many aptitude tests not only for IT but also for any job.

CTS PAPER ON 29th OCTOBER AT HYDERABAD

Hi, frnds

This is Raghav, Let me share my experience both written and Interview,

Hope it helps you!

Test : 29th Oct HYDERABAD . Venue (Gokaraju rangaraju institue of Eng College )

Interview: 4th November

New Pattern for CTS is

Aptitude test :- 70 questions

No negative marking;

Verbal Ability -20 mins

Quant Skills -30 mins

Analytical Ability -25 mins

Verbal Ability: Go through Barons, its enough. We were given 2 big passages, which consumed most of the time. Try to increase ur reading capacity, it will help u save time. Practice b4 u leave.

Jumbled sentences are almost from Barrons.prepare well for this.

Correction of sentences (5), incorrect sentences (5), jumbled words (5), reading comprehension (10)

QUANT:

Venn diagram problem (5), seating arrangement (5), DATASUFFICIENCY (5), binary numbers 1=\$, 0=\*...Like (5), CUBE problems (5)

Hint 1=\$, 0 = \* then 2 is \$\$,3 is \$\$\$,4 is \$\*\*, so represent following values in binary form

1.  $17 \times 700$

2.  $6 \times 6 \times 6 + 4 \times 4 \times 4$

3. avg of (2,50,55,65)

4.1 cm of 3,25,50

5. 343 terms of binary form

DATA sufficiency

1.  $2^x$  is divisible by  $2^3$ ?

a.  $x > 5$

b. x is odd

2. What is the compound interest ? (not Exact but similar )

a. si greater than compound interest

b. rate is given and difference of si and ci also given

3. what is avg speed between X city to Y city.

a first half of the distance covered with 10 m/sec

- b. last 10 kms completed with 15m/sec ..Like that
4. How many 10 coins he had?
- a. a boy had 25 coins each
- b. Boy has 60 ps coins each
5. IS  $r > p$ ? P, q,r are real numbers
- a.  $q > p - r$
- b.  $p^2 + q^2 + r^2 = 0$ .

CUBE problem: there is a cube which is cut into 343 small cubes painted with blue red color from outside. Then again 2nd block from left has removed from cube and repainted with Black..

- 1, how many 3faces black,
2. How many 2 face
3. How many 1 faces
4. How many no faces..
- 5 .sorry not remember

I Venn diagram:

There is a website F, C,H are visiting regularly then he gave information like that

Total no of clicks 419,

Three sites visiting are 3

f and q =11

C and f = 11

C and h =2

C = 145

f and h are equal in numbers( meant f= x, h = x take like)

Questions.

1. How many visits F?
2. How many visits H?
3. What is difference b/n C and H in number of visits?
- 4., 5 are no idea..

II .Seat arrangement puzzle Dnt worries these types of Questions very easy RS agarwal is enough for this

Analytical:

Deductions means

ALL a's are b,

Some a's are not b's like (5),

Logical connectivity (4 bits) if then and or not ..., oddman out (4 bits), Pick odd pictures (series)(10- bits), small puzzle (3 bits )

LOGIC connectivity is dead easy no worry about this

In my paper

1. IF sachin will play till last then match will win.
  - a. if sachin play well , India won
  - b. sachin never plays well
  - c. india never won match
  - d. India won't win match unless sachin play well. 1. a 2 . b 3. a and d 4. None

Like that but check all options, don't tempt to see first option because there were two or more options with same answer.

## DEDUCTIONS

TIME material code no: LAHO100701

There u will solve with some distribution formulas, I will say definitely if u prepare before exam also u may attempt all bits successfully

All circles are round

Some trucks are not flat

Then what is the conclusion? Like questions

Category of Quantifier

Example

UniversalAffirmative

ALL

Universal Negative

NO

ParticularAffirmative

SOME

Particular Negative

SOME,NOT

Quantifier

Subject

Predicate

All

✓

×

No

✓

✓





SOME a's are b's

No conclusion (6th rule)

SOME b; s are c's

ALL A's are B's

ALL D's are C's

No conclusion (2nd rule)

Like that proceed ....

Finally Odd man out figurers are very easy

Interview:

My interview slot was 4:30 pm on 4th November.

So first thing is to be confident....speak gently n clearly. Take a sec or two before speaking.

Just be frank....give him a warm smile....if you smile it'll itself dispell your nervousness...

it basically depends on the person who is interviewing you....some take jus 10mins some take for half hour... As you know its TECH cum Hr....so be prepared to face both...usually only one interviewer will be there...

Interview will be held in a large hall...you can see all people being interviewed....how they talk n express. The interviewer body language....

In my Panel there was 1 HR , This round will eliminates most of the candidates .we have to careful in this ,but unfortunately I wasn't selected . He asked me for 15 mints regarding project, hobbies and etc.

But my suggestion is score very well in aptitude, it will helps u to get job 99%.

CTS PAPER ON 29th OCTOBER AT CHENNAI

Hi.. friends..

I got great experience with that exam..

I hope no need to prepare for writing CTS exam. You just improve the way of thinking and presence of mind. Friends here i am giving my experience with CTS exam. Friends it is easy to enter in CTS..

First they checked my original marksheets,Hall ticket.. then only they allowed inside the hall.. You must have 1photo,Resume....

We can write the exam wit pencil or pen or Sketch.. I hope pencil is best choice.. Because they will provide OMR sheet..

Fill the application form neatly.. they will provide 15 mini to fill entire application form.. The contents of application form is

Name, Semester wise percentage ,Aggrigate and some details.. You can fill it easily... ok.. friends.. before exam you have to think following contents.. I hope it is major importance.. ok

1.SOFTWARE ORIENTATION

2.STRENGTHS ,WEAKNESS

3.SHORTTERM AND LONG TERM PLANS

4.WHAT YOU ARE EXPECTING FROM COGNIZANT

5.WHAT ARE THE SKILLS REQUIRE TO ENTER IN SOFTWARE INDUSTRY?  
WHICH SKILLS YOU HAVE TO ENTER INTO SOFTWARE INDUSTRY..

OK.. Friends you just prepare your valuable answers befor the exam.. and at the end of the application form dont forget to sign in application form.. ok.. friends.. ALL THE BEST.. I hope see you in CTS.. ok..

The question paper contains 3 sections.. they will issue the papers according to sectionwise.. and for each section they alloted the timings...

So friends timing and presence of mind is most important to complete entire paper... ok.. There is no negative marking...

VERBL ABILITY - 25Questions - 20 mini

ARITHMATIC ABILITY - 25Questions - 30 mini

LOGICAL/REASONING - 20Questions - 20 mini

SECTION -I VERBAL

Direction Q1-3.. find the CORRECT sentence

The gave 4 sentences and we have to choose correct answer..

Direction Q3-5.. find the INCORRECT sentence

Direction Q5-9.. They gave 100 lines passage.. following tat 4 questions..

Direction Q9-11.. once again Passage with 50 lines.. and followed by questions

Direction Q11-15 once again CORRECT sentence

Direction Q15-25.. find the INCORRECT sentence

## SECTION - II ARITHMATIC

Direction Q26-30

Three persons Vamc,Vidya and Raja having a profit of 25%,20% and 30%.. vamec and vidya togethr have 15%more, Vidya and raja 9% more, raja and vamec have 11% more... All together have 5% loss ..

- i) How much profit they got all together?
- ii) what is product of Raja and Vidya Profit?

Approach: Draw the venn diagram.. so that you can find the answer very soon...

Direction Q30-35

Consider that \$ is 0 and \* is 1 . when 1 is greater or in betwenn 0 and 1 values... find the following conditions  
(Eg: \$\*\*=4; \$\$\*=3)

i) What is the LCM of \$\*\*, \$\$\*, \$\$\$

- a) 732   b) 76   c) 36   d) 30

ii)(\$\$\* x \$\$\$)+\$\*\*=.....?

iii)  $2^6 - 729 = \dots\dots\dots?$

a) 0   b) 30   c) 49   d) 12

iv)  $3^2+4=$ .....?

a) \$\*\*      b) \*\$\$      c) \*\*\$      d) \$\$\$

Direction 36-40

some guys do the work in 12 days. They spent thier money like 1st day 1 rupee , 2nd day 2 rupees, 3rd day 4 rupees, 4th day 8 rupees.. and so on.... what is the initial amount they have?

Direction 40-45

A cube is cut into 64 small cubes, it is painted with color of black.

i)What is the difference between 2side painted and 1 side painted?

a)0   b) 12   c) 8   d)56

ii)What is the product of 3side painted and more than 3 side painted?

a)0   b)32      c)56      d) 24

iii) what is the sum of 2 side ,1side,3side painted cubes?

a)26   b)64   c)56      d)58

iv) How many one side painted cubes?

a)12   b) 8      c) 4      d)none

Direction 45-50:

There are some persons sit in a row... and some conditions given.... you can solve it easy...

### SECTION III LOGICAL

Direction 51-55

some diagrams given... and asked find the next diagram in series....

Direction 56-60

some fig given .. in that we have to find the oddman out....

Direction 61-65

Four games are there played by the team like cricket,football,badmitton and tennis.... base on this they given some questions

i)Which game played by more than 2 members

- a)cricket
- b)Football
- c)Tennis
- d)None

Direction 65-70

Four members like dhana,lavanya,kalp and bhaskar are wear different colours like pink,yellow,purple and blue... All the persons sat in one place.. Condition is that those who wear purple they can sit in table2, yellow colour can sit either table1 or table3.pink colour can sit in table4... blue can sit either any table.... and some more conditions given....

a)Who weared blue and who sat in T3

b)Who weared yellow.....?

and given some more questions based on that.....

### CTS PAPER ON 31st OCTOBER AT CHITTOOR

Iam VAMSI KRISHNA doing my final year in ECE from Chittoor and got placed in CTS. Written exam was on 31st oct 2006 and We had our interviews on 1st Nov 2006.

Written exam was easy. The pattern is like this:

VERBAL:- 25 ques -- 25 min.

ANALYTICAL:- 25 ques -- 30 min.

REASONING:- 20 ques -- 20 min.

In answer sheet u have to write answers to various questions like:

ur hobbies, what languages do u know, why CTS, what do u expect from CTS, how r u suitable for CTS. etc

In Verbal there will be two passages, which will be followed by six questions each. Remaining will be choosing correct sentences from given sentences, choosing incorrect sentences from the given sentences and arranging the given sentences in correct order. Don't go for passages in the beginning. They r very big and u will not find time to read them.

Analytical is very easy section and here u can score a lot. Questions will be based on Venn diagrams, one puzzle based on teams and their sequence. Binary to decimal conversions and vice-versa. Here 1 is coded as # and 0 is coded as \$. There will be problems based on cubes.

In Reasoning there will be all figure problems like predicting the next figure and odd one out figures. For this u can go through RS aggrawal non-verbal reasoning. Logical connectivities like: all cats are dogs; no rats are dogs and followed by some options. They r also very easy. Try to score maximum in last two sections.

Interview was on next day. A total of 2400 candidates appeared for exam out of which 268 cleared written exam and only 94 were selected.

Technical and HR was a common round. Following is my experience:

As soon as I entered the room, HR received a phone call. I went near to chair and waited. He was a young and cool person.

HR: welcome Vamsi Krishna.(giving shake hand) Take ur seat. Just give me five minutes.

ME: thank u sir. (I made myself comfortable sitting on chair. He talked for 2 min. on phone in Hindi.)

HR: then my first question was tell me about ur self?

ME: I started and in between he interrupted because there was a difference in my percentages obtained in inter and in engineering. I explained the reason in jovial manner and he laughed.

HR: what is ur favorite subject ?

ME: STLD

HR: then draw me a circuit for NAND gate ?

ME: drawn the gate.

HR: what is the bubble in nand gate, what is so special about that gate and where is it used ?

ME: explained him that it is a universal gate and so on.

HR: I will u give a truth table, can u design a combinational circuit for that ?

ME: I will try sir. ( then he didn't gave that. )

HR: u have mentioned in ur CV that u r good organizer and good leader. Give examples for that /

ME: explained.

Rest of all was technical questions. I will give only questions.

--> What do u know about VHDL ( in my form I mentioned C and VHDL)

--> Explain three modellings in VHDL and give differences among them .

--> How dataflow modeling is implemented.

--> What is characteristic equation ? give example ?

--> what is flip-flop ? where is it used ?

--> what is a counter and where is it used ?

--> what is a K-map and for what it is used ?

--> what is difference between FM and AM ? In which noise is less?

--> what is analog signal and what is a digital signal ?

--> what is sampling ?

--> tell me some digital modulation techniques ?

--> what do u know about microprocessor ?

--> what do u know about 8086? How many address lines and how many data lines ?

--> what do u know about C language?

--> write program for fobonacci series, palindrome number and palindrome string ( I wrote it. )

--> what r conditional statements? Can FOR loop used as a conditional statements?

--> what is the difference between a CASE statement and WHILE loop?

Then he stopped for a while and said "any questions Vamsi Krishna?"

I asked ? what is the training period that we undergo?

He explained and in between he asked "r u ready to sign a bond with CTS?"

Again he asked "any more?"

I asked "what is CMM level?"

He again explained that very well but I didn't get anything into my mind at that moment.

Again he asked "any more?"

I said "no sir."

He said "ok then u can leave. Have a nice day" (giving shake hand)



That's all about my interview and my name was in the list of selected candidates. Just be bold and tell ur answers confidently. Always keep a gentle smile on ur face.

## CTS TEST ON 31st OCTOBER AT HYDERABAD

hello friends,

I am Bhavani Sankar Mitta, pursuing my final year MCA from Intell Engg college, Anantapur. i am happy to say that i got placed in CTS. i had appeared for CTS interview which was conducted in TKR Engg., College, Hyd., thru cpm. nearly 2560 members attended the interview.

Now i am going to give my interview experience which is as follows,  
the pattern will be

1. Writen test and
  2. Tech cum HR Interview
- for the written test,

the pattern is

a) Verbal 25 questions & 20 Min

b) Math 25 questions & 30 min

c) Logical Reasoning 20 question in 20 min

### Verbal

Finding correct and incorrect sentences (10)

jumbled sentences(5)

Reading Comprehensions(2)

### Analytical Reasoning cum Mental Ability

cubes & dice

logical deductions

picture based analogy

puzzles

venn diagrams

binay conversion(same but 0's and 1's are represented differently)

data sufficiency etc.,

the written exam is easy, but the toughest part is english section y becoz, they will give u 25 questions in which finding correct and incorrect sentences are difficult, as they give four options( eg., i & ii, i, ii & iii, i, iii & iv like this) to each question, and the sequence they give is at random, the first two will be of finding out correct sentences and then the next questions will be incorrect and then correct, like this 10 questions of this type will be

mixed up and more over ppl will get easily confused by the procedure they followed. so take care in attending them and my suggestion is to go to RC section at last as it eats up the time.

my technical interview is as follows,

there are upto 25 panels nearly  
and in my panel two members were there,

me: gud evening sir (with smile)

ints: is it gud evening ?(they surprised me, the time is around 4:25 pm see, here my presence of mind got counted) said ok gud evening, sit down

me: thank u sirs

int1: how is the day

me: fine sir

int1: had ur lunch

me: yes sir, just before i completed my lunch

int2: how did u prepare for the written exam

me: actually, i have gone thru all the model papers along with my usual preparation for the exam, sir

i have written soft skills set as C,C++,OS, DBMS, OOPs concepts  
then he glanced at that section and asked what u know in dbms

me: almost all the concepts sir(with confidence)

int2: almost all the concepts., then tell me about normalisation

me: answered

int2: then bcnf, then list out the keys

me: i said all except foreign key

int1: is there any key like secondary key

int 2: he hinted at me saying foreign key

me: answered it

int 2: what is the diff b/w unique and primary keys

me: explained

int1: tell me concepts in OOPs

me: i started telling all, but when i said data abstraction he inerrupted and asked

int2: if layman comes to u, then how will u explain him about data abstraction

me: i took example of stack and explained him

int2: how u r at programming  
me: very good sir

int1: is it., r u very good at programming, he questioned again  
int2: will u write a program that swaps two variables with out using third variable  
me: immediately, i said, u want me to write sir, then he said no and he gave for loop as follows

```
for(n=40;n>0;n=n/10)
{
printf(" bhavani");
}
```

then he asked me, how many times it will print bhavani  
i said, 2 times sir  
then he again asked, if the variable is of double type then what's the result  
i said the same answer, then

int2: are u sure about ur answer  
me: i said same sir with confident voice

int2: he repeated the question again  
me: i repeated the answer again with more confidence, then he said actual answer that it loops for infinite times

int2: later i agreed with him as i realised my mistake  
int1: then he started asking hr questions  
this were quite tricky, my confidence and presence of mind helped me to get success in the interview

int1: r u flexible  
me: yes sir

int1: r u relocatable  
me: yes sir,  
i answered, u can through me any where in this world  
surpsringly he said, any where in the world  
will u work in sahara desert, (here my flexibility was tested)  
i said yes sir, if the company is there means i am ready to work sir  
then other guy asked, will u work in kolkata  
i answered yes,  
will u work in china?  
yes sir,  
then  
int: there ppl eat snakes and frogs, will u eat?  
me: yes i will eat sir,

int: r u non veg or veg,  
me: non veg sir

int: will u work in shifts  
me: yes sir, ultimately,

int: r u sure that will u be selected for company  
me: yes sir (see my friends, here they r testing my confidence level)

int: how can u know that u will be selected for the company, dont u compare with others  
me: i remained silent for a while and replied, yes sir, i am sure about my selection, based on my performance, u will announce my result sir

int: then, u have mentioned that ur weakness is "i still need to improve my english speaking skills," then how r u overcoming that  
me: sir, i talk only in english with all my friends and encourage them too to talk in english

int: then  
me: i will read news papers sir, the hindu especially

int: he asked who is the editor of hindu,  
me: i have not got his name by that time, so i remained silent  
he continued with the next question

int: tell me about ur college  
me: i explained 5 sentences about my college( only +ve points)

int: stopped me, saying u r talking only positive about ur college  
me: sir, we have to get adjusted with what we have sir, ( see my friends at any time we should not say bad about any thing)

int: u have mentioned that ur interest is to learn new languages, what u have learnt in the past six months  
me: sir, we have been introduced vb and vc++ in our present semester and i am learning them sir

int: some questions on my name  
before that, he asked again abt my selection  
me: i replied with utmost confidence that i will be selected and said, if that is the case, i will treat it as exp., which is the greatest one, which everyone should learn

int: he asked abt my name and then said thank u  
me: i left the intrvw room confidently  
see, my friends, in the intrvw they will check our confidence level, so never surrender at any time,  
hoping that my exp will help u,  
the results were announced on the other day and by god's grace, i was selected.

## CTS 2007 Placement Papers

CTS INTERVIEW ON 1st AUGUST AT VARANASI

HI, I am Adapa Chandra Sekhara Reddy . This is my best experience with CTS.

written test pattern: In written test 3 sections r there

Section1: 25 marks verbal reasoning

Section2: 25 marks analytical reasoning

Section3: 20 marks on logical reasoning(in this mainly they give 5 marks on CUBES,5 marks on ODDMAN OUT,5 marks on DEDUCTIONS etc.....)

THIS IS MY INTERVIEW EXPERIENCE

Me: good afternoon sir

Int: good afternoon sir take ur seat

Int: tell me good name please

Me: chandra sekhar reddy

Int:ok mr chandra sekhar reddy i will call u chandu,is there any problem with this name,other wise i will call chandra or sekhar.he ask me choose one of these.

Me:with smile i tell him call me chandu sir.

Int:I am also liking chandu

int :tell me some thing about ur self chandu

M: ans to that question

int: ok chandu tell me some thing of ur family background

M: ans that question ,next he was come technical side

int : what is zenor diode

M: ans to that question

int: what is avalanch breakdown voltage

M i say i dont know sir

int : what is interrupt

me: ans ti that

int : how the proirity given to these interrupts

me ans that question

int : who give the proirity

me: ans to that also

int: what is process

int: what is thread,difference between process and thread

int: is there any possibility of multiple processes in a single thread

me : i ans to all these questions

int:: what difference between c and cpp

int: what r the object oriented programming properties

int: what is inheritance,and explain with one practical example

int: what is functin overloading

int: he give one program,ask me this program is functin overloading or not

int: he give me one program on operator overloading

int: he ask me write a program on bubble sorting

int: what is the difference b/n bubble sort and shell sort  
int: write a program on insertion sorting.  
me: ans to above all questions  
int: what is presently going in IT industry  
me: answered to this question HE really impressed  
me: finally i ask 5 questions to the interviewer

He really impressed with that questions.ans to that questions very well manner. finally interview is over. results r displayed at night 12. i was selected .i am very very happy to got the job

#### CTS PAPER ON 1st NOVEMBER 2007

Hi I ve attempted CTS written on Nov 01st It consists of 3 sections. It was conducted by third party...

3 sections 70 qs - 70 mins

##### 1) Aptitude section 25q

- 1)Logical Reasoning
- 2)Puzzle test
- 3)Syllogism
- 4)Data Sufficiency
- 5)Some other...

##### 2)Vocabulary Section 25Q

- 1)prepositions/articles
- 2)Synonyms
- 3)Two big passages

##### 3)Attention to details

- 1)Problems on Identification
- 2)problems on symbols
- 3)Two qns(we ve to bring out the conclusions using given conditions)

R.S.Agarwal Reasoning is more than enough... 103 fellows were selected for interview from 300. I was the second one for that panel.

HR people r very cooperative... I entered the room. HR gave me shake hand n offered seat

HR has taken my resume.

HR : h z the test today ?

me : i explained

HR : z it very easy ?

me : i explained

HR : Tell me abt ur ambition ...

me : i explained ... i wanna become s/w prof.  
HR : y r u changing ur field (i am a mathematics std ...)  
me : i explained  
HR : Y cant u become scientist ?  
me : i explained ... i convinced him ..  
HR : Tell me ur achievement so far ...  
me : i explained ... i am the toppe of my batch..  
HR : h did u prepare for the test ?  
me : i explained our team work ...  
HR : wt r qualities of a Team leader ?  
me : i explained  
HR : wt r the qualities of a Team player ?  
me : i explained  
HR : wt abt ur hobbies ?  
me : cooking n playing chess  
HR : Asked abt cooking (n joked)  
me : answered him ...  
HR : R u sincere ?  
me : answered with courage n confidence n with nice reasoning ...  
HR : give me some situations which show ur sincerity ..  
me : i explained  
HR : what is os ?  
me : i explained  
HR : which one did u like most (among os) ?  
me : i answered  
HR : can i ask u some qns regarding DBMS ? (as i studied in my graduation)  
me : ya ... ( He didnt ask ...!!!)  
HR : do u know cpp ?  
me : yes ...  
HR : in which one u r very much strong among C/C++/VC++)  
me : i answered ... CPP  
HR : r u ready to relocate ?  
me : yes ...  
HR : if ur parents r life partner doesnt accept then ?  
me : i convinced  
HR : if ur life partner doesnt agree with u to relocate ... !  
me : i convinced him ...  
HR gave me shake hand n told ..... "U ve did it well". Finally I was selected in CTS.

Actually i ve appeared for TCS n Infosys... I failed in those tests... do u know the reason y i failed in the earlier tests ... bcz CTS z waiting for me (!!!else other company ...!!!) So be confident n Keep Working hard.

Confidence plays important role in CTS interview...

CTS PAPER ON 03rd FEBRUARY AT ERNAKULAM

hi..

we had an aptitude test which include  
Verbal reasoning,  
Analytical and  
Logical reasoning..  
70 questions in one hour..  
think very low cut off..test was not easy 4 me..but got selected..

Interview:

I was the first girl der..

hr: good morning  
me:good morning  
he asked me to sit and then introduce urself  
me:blah blah  
started asking tech

- 1.what is rectifier?
  - 2.draw the circuit of bridge rectifier
  - 3.what is diode?
  - 4.draw v-i chara of diode
  - 5.what is transistor?
  - 6.diff between npn and pnp?
  - 7.what is pinch off in jfet?
  - 8.what is a flip-flop?
  - 9.implement all gates using nand and nor gates?
  - 10.swaping with out temperory variables?
  - 11.dynamic memory allocation?
  - 12.what is phase modulation, amplitude and frequency modulation?
  - 13.area of trapezium?
  - 14.area of square?
  - 15.area of circle?
- $(a+b)^2, (a-b)^2, (a+b)^3, \dots$

asked some puzzles

i dint have hr questions also i didnt answer all these questions...but by the grace of God, i got selected...U people please dont loose hope.. study well and do pray well

CTS PAPER ON 03rd FEBRUARY AT KOLKATA

Dear friends I am sukanti here this is the test paper which I faced on 3 rd feb ,2007

There was 3 sections



Section I- 2 passages was given 20 questions total,time was 20 min ,total marks 20.

Section II-after completion of section I u can open Sec. I I.A little bit easy than section I.

totally consist of 35 qs.they were very easy. U just need to go through R.S.Agarwal.

problems include –venn diagrams , Cube problems. for Venn diagrams if possible go through sachdevas MBA tutorial study material & some more qs.

Section III-only some logical reasoning I am sure u can do it without any prior preparations. Just apply u'r commonsense.

Day 2(5 th feb,monday)

My interview time was 10 AM..In my panel only one person as I entered the room I wish him good morning sir with a gentle smile.

Interv.-take u'r seat sukanti and introduce u'r self.

Me- answered using the following points

1.Who and from where I am.

2.My academic carrier. Starting from M.Tech (pls. Do not mention u'r percentage until u r asked to do so).

3.My family.

4.hobbies.

Int:- what was u'r favorite subject in class 12?

Me: –Physics

Int:-Tell me about modern physics

Me: –answered.

Int:-What is the Newton's 3rd law?

Me:-Answered.

Int:- What is an array?

Me:-Answered using data types that can be stored.

Int:- What is homogeneous data type?

Me:- answered.

Int:-What is OOP?

Me:- Answered using the partitioned memory concept.

Int:-What is the basic difference between C++ and JAVA?

Me:-answered (Explain why C++ is not a fully OOP language and why JAVA is).

Int:- what is u'r future plan?

Me:- Research.

Int:-What is u'r long term and short term plan with CTS?

Me:- To learn and work for CTS.

Int:-Why CTS?

Me:-CTS recruiting a lot of fresher and I am a fresher that's why CTS.

He gave me a puzzle 2 swap 2 variables without using a 3rd variable and explain it to him. After that he was very impressed.

Int:-.(With a confirmed shake hand) It is nice to meet u sukanti.

It was around 30 min. The result was announced at CTS website on that night and my name was there at index number 12.

Friends at the time of interview u have to write the following informations

1.What is u'r expectation from CTS?

2. What is u'r long term & Short term plan with CTS?
3. Mention some points that u think need to be a good soft. engg?
4. software orientation
5. ur strong points and weak points.

Be careful about the informations .Bcoz u'r written answers must be consistence with the answers at the time of interview. During written test time management is very very crucial. There was no negative marking.

Be cool & perfect and remember "god is good"

CTS PAPER ON 03rd FEBRUARY

Written Test of CTS comprises of three sections. There is no negative marking in each section. Total marks=70, Time=75mins.

A) English & Verbal Section

Find out incorrect sentence (Five Questions)

Find out correct sentence (Five Questions) (20MINS-25 QUESTIONS)

Arranging the jumbled sentence (Five Questions)

Two Comprehension Passage (Ten Questions from two long passage)

B) QUANTITATIVE SECTION (30MINS-25 QUESTIONS)

5 on Venn Diagrams

5 questions on Coded Relation. (Suppose , A+B means A is the son of B; A-B means A is the wife of B; A\*B means A is the brother of B; Then what does P+R-Q mean or what does D\*F-E means.....just this type of questions .Refer Aggarwal Book ,page No. 237)

5 on Data Sufficiency problems ( Refer to R.S. Aggarwal page No.495

5 on Decimal to Binary Number conversion (Say,  $\$=1, *=0$  then find the value of 342 or Find the LCM of 12,15,18 or find the sum of  $\$ \$ ** + * \$ \$ \$$  .....etc very simple)

5 on Cubes (How many cubes r one face coloured , two face coloured , Three face coloured ,and no face coloured etc)

### C) ANALYTICAL SECTION

7-8 Questions from Odd figure out(4 figures are given. Choose the odd figure)

2 Questions from pick out the next figure(3 figures r given. find the fourth)

4 Questions from logical deduction. ( 20 mins -20 questions)

3 question from puzzle

For the Section “ C ” go through Aggarwal book (Verbal & Nonverbal)

I appeared in written Test on 3rd Feb, out of 1200(Approx) 383 have cleared the test. I have appeared the Tech & HR on 5th Feb at Saltlake Techno India Campus.

#### Technical Interview:

One man interrogated me for around 15 mins .He was very much Friendly & Cordial.

Asked questions from C like Malloc & Calloc, Distinguish between two.

Then some query from Database like diff between primary key & Unique key, Foreign key , Normalisation ,RDMS etc.

Then he drew a Relation (Table), asked to write queries on it.

He also asked me What is the current score of Ranji Final match between Bengal & Mumbai. I told him about Previous day's score.

HR Interview:

Everyone who has cleared the Tech. Interview was asked 2 questions.

One is What r u doing now?

Another is , can u join Tomorrow in CTS ?

Finally , Result was published on 6th Feb in CTS website.167 candidates finally selected.  
I was one of them.

Dont be so excited.Just appear the interview with confidence.Prepare yourself (About  
Subjects or Language) what you have mentioned in the CTS application Form.

..... Best of Luck for the future Aspirant.....

#### CTS PAPER ON 3rd JULY AT CHENNAI

This is Sowmya Kameswaran from Sri Venkateswara College Of Engineering, Chennai.

We had our CTS placement on campus on the 3rd and 4th July 07...totally aroud 420  
wrote the aptitude and the 60 department toppers were allowed directly (10 each dept) for  
the interview. 307 were short listed for the interview... and of the 307+60, 220 were  
chosen...

The paper pattern was jus the usual 3 sections ANALYTICAL, VERBAL, NON  
VERBAL. Just be careful when u answer the questions cuz they are quite jumbled....like  
in our Verbal paper finding the correct and incorrect statements were not given under one  
heading..

So read the question properly and do not waste time looking up.... Time is really precious  
when u take up the test... just carry on even if the roof comes down!! just like the others i  
would also say please do not take up the passage first.. it would eat up all ur time. m  
really sorry i dont properly remember the questions that appeared but trust me the English  
was a lil tough so try n take some good help for that! probably reading the news paper  
daily would help.

I just remember the cube question it was like... the 2 middle cubes along each diagonal is  
taken out from all the sides. Now the cube is painted black.... how many were 1 side  
painted 2 sides more than 2 0 side painted.

RS Agarwal Verbal Non Verbal will do a great deal of help... and when if comes to  
syllogism just remember this short tip in case u have the statements like No A is B No B

is C or Some A is B Some B is C or Some A is C Some R is T in these cases NO CONCLUSION HOLDS OK.

Now let me come to the interview part there were totally 40 HRs who had come that day...of which panels 32-38 was for the toppers who went without the aptitude. People prepare technical and go at least a lil and in case u have kept oa have an arrears in any sub just glance thro that specially cuz a few of my friends had a lil bit of a tough time and those people who interview u are really brainy and they know when u lie... So please be careful... DO NOT LIE...

Some tips from my side for facing the HR

1. please be dressed formally and wear a big smile ....

2. Confidence is the key to facing the interview..just think u have a friend sitting in front of u..

3. do not use slangs like "my dad, mom, pop, sis, bro..dunno.." all these are not to be used even by the slip of the tongue..

4. wish the person who is sitting there before entering and do not take the seat until he or she tells u to do so"

5. sometimes u might be the one who is having a stress interview. U will not be knowing that anyway but do not show the stress on ur face... Keep ur cool... they are just trying to check if u can work under pressure... handle it with a smile.. even if u dont know the answer for something just tell I DONT KNOW.... dont try to blabber in the name of trying if u do not know anythin relevant to the question..

6. and when u are having a stress interview the questions will be the ones which u cannot answer... Just relax..they are jus testing you... If u keep ur cool ur into the company

7. when u say somethin is ur area of interest perpare for it really good and be prepared for the other subjects that u have read till now cuz "TELL ME THE SUBJECTS THAT U LIKE APART FROM THE ONES WHICH U PUT HERE", is one of the favorite questions....

8. and when u are given a sum or puzzle or a digital sum with truth table for implementation.... first search the question for the answer... there will always be a clue... and never give up even if u do not know how to proceed with the sum just try.. after sometime they might offer help.. it will create a wrong impression if u say something negative in case of sums..

9. and the most important thing that most people fail to do is to MAINTAIN EYE CONTACT. only one who is not confident of oneself cant maintain eye contact

10. In case they ask u some thing about the interview just do not tell I DID NOT HAVE TIME... it means that u do not know to manage time...just tell them that the test was easy...nothing beyond that... i hope these tips help u!!

Take care all the best C YA AT CTS

### CTS PAPER ON 3rd MARCH

Hello friends....

Yesterday (3rd march) Cognizant came at our campus. and I am selected...yooo

I wish to share my experience with u ... coz some of these info (obtained from this freshersworld.com) helped me a lot..

There is no -ve marking in each se

Written Test of CTS comprises of three section

1. English (Verbal Section) [20MINS-25 QUESTIONS

# Find correct sentence (2Q) 4 options were given there...

# Two Comprehension Passage

Vry lengthy i didn't get time to read the 2nd passage, 1st passage was on a comparative study of India and China in the field of GSM & cdma mobile service and landline phone facility.. thr was a lt of information.. thr was 4 statements like i),ii),iii),iv) and options were lkN a) i,iii b) i,iv c) iii d)ii,iii

soo u kno it was a bit tough to match 2 stms....

# Arranging the jumbled sentence (5 qts)

# Find out correct sentence( 2/3 qts)

First of all manage your time well and don't neglect any of the sections. this is a vital section

2. Analytical section (30 min 25 qts)

# 3 qts on venn diagram [like 4 students kno hindi,math,eng; 6 knows Hindi & english .. jus follow RS Agarwal] easy on

# DS problems (5/6)

# Cube problem ... xpected one 343 cube all corner cubes are removed ...then painted black

qts like .... how many of those dont have any painted face ...

# dec-bin

1=\$

0=\*

like \$\$\$\$\*\*\$\*\$ + \$\*S\*\* = ? 4 opts ws thr

# clock A gains 5 mins in 12 hrs

clock B loses 8 mins in 36 hrs

qts like they were set at noon tuesday.. whn the difference btw them will be 15

min( hey frndz i cant remember the xact values... the qts was jus like this...diffn data)

3. Logical section(20 qts

#logic(7/8 qts) [all,some type]

#picture analogy like pic1:pic2 :: pic3:?  
there was 4 pic in options  
easy part  
# choose the odd pic series  
# a small puzzle.. a bit tough

Only english(verbal) was really tough .. specially for beng medium students... do this section as fast as possible.. and i suggest don try to read two passages fully..its really time consumin

Tech + HR interview

The HR person who had taken this... was xtremly friendly  
in the data sheet i mentioned (in software orientation field) c,c++,data structure  
[prepared for dbms... but wanted to stay in safe side..lolz]  
all qts were from C++ ( i also wanted this )  
abot 35-40 mins... Ohhh

Technical qts

diffn btw C and C++  
define procedural language  
OOPs features  
define Polymorphism  
overloading and overriding .. differentiate thm  
copy constructor[he wanted some implementation .. i jus wrote few code to xpalin that]  
difference btw copy constructor and assignment operator  
wht is object slicing ?  
wht is malloc ?  
output ..like while(6){printf("Hello");}  
if(6){ printf("Hello");}  
wht is virtual funtion ?...

HR qts

why do u like IT field ?  
what are the qualities a software engn shd have ?  
what are the qualities a leader shd have ?  
what are the qualities u have ?  
why do u want to join Cognizant ?  
hat u have noticed at the time of ppt ? [i said about statistics ,and the communication style of the HR person,, bcoz tht HR guy who had given ppt .. came and sat jus beside him ....  
[:)] ]  
what u have heard about COGNIZANT ?

if u get offer from TCS and INFY with COGNIZANT ( wow )... whr will u join..? jus ans.. ofcourse COGNIZNT[then he said.. be honest manas.. i still said that ..nd that was really true ..ofcourse]  
do u collect information about latest technology ?  
stammered.. and said yes ..



he at once asked what is the source of those info?

I said .. paper, net(!!!)

do u visit different company's website ? i said..jus during the last 15 days .. he smiled.. wished me best of luck..

and asked whether i have any qts ?

i asked him about the term .... 'offshore development...' he explained ... but i dint follow his ans...[who cares ??] .[I previously hv gt the meanin of the term ...lolz ]

okk .. thank u.. i said that to I think, this info will help at least some of you aspirants. [just be positive..]

BEST OF LUCK TO ALL OF YOU...Specially for 10th,12th(St...) and all those dates ..u kno

CTS PAPER ON JANUARY 4th AT KOLKATA

Mathematics:

1. a rail network consist of 68 routes touching station A, B, C. 5 routes touches each of the three station. 2 routes touches B, C; 3 route touches B, A. 4 Route touches A, C. The ratio of route touching the A:B:C are 11:15:8. Find out how many route touches A, B, C, only. Find out also how many route touches A, B, C station?

2. two consecutive sides of a cube were painted with dark colour, and the opposite faces were painted with white. Rest of them is painted with yellow. The cube is divided into 64 equal parts. How many of them are painted in (i) one side only (ii) two side only?

Similar cube problem from RS Agarwal.

Vein Diagram problem

Logical reasoning:

1. Blood relation problems; if A-B means A is daughter of B, A+B means A is son of B then find out ....

2. Logical vein Diagram

3. Find out the odd figure

4. In a rectangular table, eight persons are sitting facing each other. Some of the conditions are given, like P is left to R, S is extreme left, T is right of V, U & V are just opposite, then find out...

English

Two comprehension...(These two passages were extremely tough, I could not solve any of them)

Find out the incorrect & correct sentence

Arrange according to sequential order

Regarding the aptitude test, RS Agrawal is enough... need not to solve previous questions because the pattern has been changed, specially for the people from General Degree college of Kolkata...

After the aptitude test, there was personal interview. I have Physics as my subject, so they asked me from that. I can't say what were asked to the candidates of other department.

Personal Interview.

1. say about yourself

2. why did you choose Cognizant

3. What is your career goal in our company?

4. say about diode

5. What is the difference between Kwatt & K-Watt hour?

6. What is the definition of horsepower?

7. What is load?

8. What is machine?

9. say Newton's 2nd Law

10. Simple numerical problems from Class XII book!

11. What is your advantage, key skill & weakness?

12. Why did you take Physics in Graduation & why you choosing to enter the It sector?

13. Do you think Physics will be any advantage for working with us?

14. What is learning?

15. Say one most embarrassing case You faced and how did you overcome it?

16. what activities did you take part as an organizer (I mentioned organizing capability is my key skills)

17. What is the headline of Today's Newspaper? What is your opinion on reservation?

18. What is your opinion of hanging of Saddam?

19. Have you any question?

CTS PAPER ON 4th JULY

Hi everyone the freshersworld helped me to get through the CTS placement, so I thank everyone who uploaded their paper before me. So this is my experience,

After ppt it is followed by an aptitude test, this test consists of three sections

1. Analytical section :

This section consists of

a, venn diagram 1-5qn ,this is very easy once you draw the venn diagram you can solve the qns.

b, coding 1 represented as \$ and 0 as \* 6-10qn . Dont read the question just convert the number to binary.

c, data sufficiency 11-15qn , very easy but concentrate well before answering.

d, cubes problem 16-20qn, i advise you take the section at last , R.S.Agarwal is not enough.

e, general 21-25, but this will be very easy questions.

2.Verbal section :

This section is not that easy, time management is very important , try to answer as many correct answers as you can dont try to complete to the question paper,the cut-off will be very low for this section.

a, Reading comprehension,

b, Correct/incorrect sentence,

c, Jumbled passage.

This section does not contain questions in order, so be careful.

3.Attention section :

This is also a very easy section,

a, Syllogism 1-5qn,

b, Analogy figures 6-10qn,

c, Odd figure out 11-15qn,

d, Puzzle 16-20qn, arrangement based puzzle.

**EXCEPT VERBAL SECTION AND CUBES REFER R.S.AGARWAL .**

There are 570 who wrote the test from which 370 had been selected for interview .I from EEE.

**INTERVIEW:**

Interview was very easy he just checks about your confidence and not about your answer , mine was completely technical and few hr questions. Eye contact is very important .

Then the result was announced 220 got selected from 370. They distributed the offer letter immediately and a cake which they bought with them.

**ALL THE BEST FOR YOUR INTERVIEW.**

**CTS PAPER ON 4th MARCH AT WEST BENGAL**

Paper pattern: -

Verbal Ability (The no. of ques on each topic in each section may vary)

5 on Finding the Correct Sentences.  
5 on Finding the the incorrect Sentences.  
5 on Arranging the Jumbled Sentences.  
2 Reading Comprehensions with 5 Questions in Each.

Quantitative:

5 on Venn Diagrams(One ques 5 parts)  
5 Data Sufficiency problems  
5 on Binary Numbers  
5 on Cubes(One ques 5 parts)  
Some Aptitude questions on percentage(machine rate depreciate etc ....) & equation. only  
& like A left home early it take him 10 mnts to go to bus stand, if he left at 1:40 when he  
will reach.....this type

Analytical:

6 on Syllogisms  
2 on Logical Connectives  
2 on Picture based completion  
12 on Oddman out Picture based  
3 on Puzzles

There was no -ve marking.

Tip 1: First answer Correction of sentences, Finding the incorrect sentences and the Jumbled sentences and then read a Reading Comprehension that is short in textual matter in that order. First read the RC questions and then read the RC, You will get all the answers in no time.

Tips 2: First do the Binary numbers problem, its a direct lifting from the Book Quicker Maths by Tyra. It says substitute  $\$=1$  and  $*=0$  and just solve the problems. There will be some catches like it doubles and things like that just forget them and go on doing its just plain Binary numbers.Data Sufficiency was very easy.

Then do the Venn Diagrams. Please practice these before you go, its very easy and it uses 3 sets on a whole. Now do the problem on Cubes

Tips 3: First do the syllogisms its very easy just draw the venn diagrams and you will fly through the questions in no time.Please refer to the CAT books for these.

Nonverbal from RS Agarwal will help you a lot.Some easy questions in picture based to look forward will be the figures which are very easy Then do odd man out. Puzzles do it at the last you will be quite relieved to have only 3 left and will be happy to do it. To crack Cts appti solve Arun sharma Verbal ability This book will help u to crack verbal ability portion & Half of analytical portion with an ease. For better result u may solve the papers of merit trac & time(cat papers).

Technical Round:-

They only test whether u have basic funda or not. Be ready for any ques on what ever subject u have given in ur CV. Be confident with ur answer if u give any wrong ans admit it they will be impressed & they may test ur knowledge by telling u wrong ans then confidently handle that challenge.

I have been asked:-

C++

diff c & c++

What is Inheritance ?

What are the types of inheritance ?

What is multi-level Inheritance ?

Polymorphism with eg.

C

Will this execute ? main() no

Will this execute ? main(){ } yes

What is the output of for(;;) ?

What is the output of for(;;); ?

What is a pointer ? where we use it & how(with e.g)

what is library functions? Where it is kept?where to set the path for library function?

what r the steps to handle a file in c?

Data structure:

Write fibonacii series in 1 line & explain it.

DBMS

What is normalisation? Types? explained first normal form .

What is RDBMS and compare with DBMS?

what is primary & foreign key?

That all about technical. I answered all the question.

Our technical & Hr round was combined so same interviewer took my Hr. My interviewer was very friendly, modest & polite.

Introduce ur self?

Tell me about ur hobbies & reason behind it

Who is ur role model as a software engg?

Do u have any question?

When the result is declared thanks God!!!!!!!!!!!!!! my name was on the list.

Tips to crack HR:-

Don't fell nervous, be cool & composed, remember ur interviewer is also nervous during the time of ur interview

Answer confidently, they also know that u are appearing 4 first time.

Read the profile of the company before u sit for ur HR round.

Search this same site for different candidate experience there u will find some good HR question with answer

Believe in GOD give ur best, u will be in Cognizant in no time.

CTS PAPER ON 5th MARCH AT KOLKATA

Aptitude (It had 3 sections) :

Total : 70 marks : 70 mins

1. English (25 marks : 20 mins) -

Consisting of 2 "huge" passages, scrambled sentences, finding meaningful sequences, choosing the correct sentence out of a lot.

2. Quantitative Ability (25 marks : 30 mins) -

Consisting of Venn Diagram, Cube-cutting, decimal-bin conv (\$\*\$. -- that one), how many nos can be formed ... etc

3. Logic and Non-verbal Ability (20 marks : 20 mins) -

Logic (Statement/conclusion - practise RS Agarwal 4 that specially 2 statement - 4 conclusions which most of the guys avoid as i did), puzzle test (team formation), finding odd figure , fig\_A : fig\_B :: fig\_C : ? (refer 2 RS Agarwal for that)

They will snatch the qtn sheets after stipulated times (mentioned at beg of each section) and will give u the next one. My suggestion is to practise uncommon thaigs from RS Agarwal and to do each chapter complete (each subparts also). And time management is the final word. dont go for all the 70 qtns at first. mark the ones u can do on ur own in stipulated time minus 2 mins and save that 2 mins for msking wild guesses (since there is

no negative marking). thatz all for aptitudes. Remember: This is 100% lottery. so failing to clear apti does'nt really mean that u r bad at that, but ur lucks were not with u.

#### Personal / Technical Interview

They really had no time to see ur CVs or Certificates. all of u will be given a data sheet alongwith apti answer paper. This contained the following fields : - Name, Date of Birth, Academic Details, Software Orientation, Strength - Weakness, Expectations from CTS, Long Term and Short Term goals with CTS and qualities reqd for a software professional and why ?

Fill that up carefully as u will be asked from there only. A good news for non-comp-sci guys.. u will be asked from ur dept subs, or may be even from Class XII physics (Doppler Effect) or Class X maths (like Ht and Dist, probablity). nother thing, giv ur hobby carefully... u will be asked from that

Anyways, my interview was like this sort of : ----

- Hello Mahul, Good Evening, nice to meet u, i am \*\*\*\* (his name) , plz be seated.
- Tell me something about urself
- So, u know C ! so tell me, what is a function ?
- What is recursion ? give me an example of that .
- what is the need of using functions in C language ?
- What is Linklist, what is Tree ?
- What are the phases of a software life cycle ?
- Now I will ask u from RDBMS . what is Referential Integrity ?
- Clarify Ref. Integrity with the help of an example taling 2 relations
- Any quieries u hav on CTS ??
- So u love Cricket ! so tell me ur feelings Saurav being back in the side.
- Can u name india's finance nad rail minister ?
- would u like 2 work in client/server or in mainframe ?
- So u know OS ! so tell me what is multitasking ? does DOS support it ?
- what are the differences between unix and linux ?
- I'm done from my side, do u have any qtns to ask ?

It lasted for about 20 mins. The interviewer was very friendly. Eye-contact and confidence is the key. They are also seeing the attitude. Answer evrythng casually, with light smile. To remain confident i tip i can give u : think as if u are just going to give a lab-viva of ur college. and dont keep so many formalities in mind like - handshake, sitting style etc. Those will puzzle u a lot. never say "no" directly to any answer. if the term is just heard by u, then give a try.

1900 appeared for Aptitude - 612 cleared.

400 academically top-10 candidates directly sat for tech. interview.

total selected candidates = 313 out of 2300 and i was one of them !

CTS PAPER ON JANUARY 6th AT HYDERABAD

Hello frnds,

Today i have written the CTS xam. Want to tell u the details of that b4 i 4get. First of all thanz to the previos papers which helped me in preparing the xam paper and the detials in the answer paper....

The important details to be noted and to b prepared b4 the xam is....

-->software orientation

-->Assessment on ur strngths n weaknesses...

-->Wat do u xpect frm cognizant

--> wat r ur shortterm and lonterm goals wid cts

-->Wat skills are essential n s/w industry and how do u think u r suitable to this industry(U have to highlite the strngths related to s/w area) n so on..were sum questions....these need to be answered carefully as they wll b repeated in HR interview.

Now coming to the aptitude part.....

3 sections as u all know.....1.verbal...2.reasoning....3.Attention to ability

VERBAL:(25Q and time:20 mints)

There were only 3 types of questions in our paper...

1.paragraph reading and anwering

2 paragraphs wid 10 questions...this is time consuming so better not to take chance

2.Select the correct sentences frm the 4 given sentences...

They sometimes asked to select the correct and sumtimes 2 select the incorrect sentences.....more than one sentence may be correct/incorrect

3.This section is really easy...they wll be giving 5 sentences and al u have to do is arrange them in a meaning full way.

REASONING:(Q:25 time:30mints)

This part is really easy n include questions on

-->Venn diagrams

-->few questions on binary format...

Eg:If  $1=\$$  and  $0=*$  the 47 can be written as....

LCM( $\$, \$, \$, \$*$ )- $\$, \$**\$$  can aldo be writtana s...options:  $\$, \$ \$ \$, \$ \$ * \$ \dots$

AVG(11,91,13)- $2/3$  is equal to options: $\$, \$ \$, \$ \$ **$  so on...

ATTENTION IN DETAIL:(Q:20 time:20 mints)

This section is also quite easy n include...

-->logical deductions...

-->figures are given and we have to pick the odd one.

-->seating arrangement problem..



## CTS PAPER ON 6th JANUARY AT PUNE

Hi frends..

I am SanDeep recently attended CTS off campus interview at pune. My apti test was on 6th JAN 2007. Afr I cleared the apti rnd they called me 4 nxt tech rnd thts ws on nxt day in CTS Hinjewadi campus, Pune. I tell U whatever I question rember frm my test.

Total students for Aptitude test: approx. 700-800

Students for Technical round: approx. 200-300

After Hr round: ?

I am from Mumbai, my reporting time was 11:00 am. So I reached over there arnd 10:00 am. Before entering the venue they asked about hall ticket. So bring hall ticket & all original mark sheets & along with 1 extra photocopies of each because all this is required. While starting the test they give us one OMR sheet on that we had wrote all the details. So be prepared with these details. U have 2 write all semester wise percentage. Then they gave question paper one by one because there were three section which given below:

1. Verbal ( 20 min) (25 Ques)
2. Analytical ( 30 Min) (25 Ques)
3. Reasoning ( 20 min) (20 Ques) ,Ques. booklet no. was 2964 A

1) Verbal

1) Two passages with each of 5 questions. I suggest do this part al last.

2) Correct sentences. – 5 ques

3) Incorrect sentences. – 5 ques

4) Logical Order. – 5 ques. This Time logical order is very easy.

2) Analytical

If u r perfect in Venn diagram then do it first. If not then go through replacement questions. That ws bit easy.

1) Two Venn diagram - 5 ques each.

2) Logical reasoning. – 4 ques each

For eg if u get result from first sentence then option A , from second sentence then option B, from both C, from neither nor then D likewise. I rember only three

1) Neha & Pooja gets the prizes in School competiion.

i. Neha has less medals than Pooja.

ii. Pooja not having trophies & neha having only one medal

2) If  $A+B > C+D$

i.  $A=3, B=4, C=7$

ii. A

3) who is the topper?

i. Sachin get the highest marks.

3) Replacement ques. ->> Replace binary 1 - \$ and binary 0 - \*

1) 137 , Ans. is => \$\*\*\*\$\$\* - \$\$

2) 399, Ans is => \$\$\*\*\*\$\$\$\$

3)  $2 * \text{Average}(3+6+12) =>$  first calculate average. Don't forget to divide  $3+6+12$  by 3, people mostly forget. So answer is (14) => \$\$\$

4)  $(\$ X \$\$)^{\$ \$}$

First divide decimal no. into binary n then replace. For this dnt do ech time division.  
Remember following trick..

256	128	64	32	16	8	4	2	1	
$2^8$	$2^7$	$2^6$	$2^5$	$2^4$	$2^3$	$2^2$	$2^1$	$2^0$	n then put value.

4) Cube problem. - 5 ques each.

Its very easy. Go through RS agarwal nonverbal last section. I give u formulas if ques asked like, if all sides of cube are painted with red color then how much 0 side, 1 sides, 2 sides & 3 sides painted...

0 side =  $(n-2) * (n-2) * (n-2)$  , 1 side =  $6 * (n-2) * (n-2)$

2 sides =  $12 * (n-2)$

3 sides = total divided cube value - (0side cube + 1 side + 2 side cube)

For eg. Cube divided into 27 cubes. Therefore  $3^3=27$  cube Then

0 side =  $(3-2) * (3-2) * (3-2) = 1$  , 1 side = 6,

2 sides = 12 & 3 sides =  $27 - (1+6+12) => 8$

Question was. Two big cubes divided into 125 small cubes each. they placed horizontally. If column no. 1, 3, 5, 6, 8, 10 is removed from the cubes then remaining cubes columns is painted by blue color then,

1) how many cube 0 side painted?

2) how many cube 1 side painted?

3) how many cube 2 side painted?

5) One question was, fixed amount proportional to distance plus square root of distance. Rs. 400 for 25 km, Rs. 680 for 49 km, Rs. 1480 for 121 km, passenger paid 6840 (not exact amt I remember) then how much distance he covered?

### 3. Mental Ability:

1) Data sufficiency - 5 ques

a) i. Some Apples are oranges ii. All oranges are bananas

b) i. All bananas are rings ii. All rings are chairs.

c) i. Some apples are some bananas ii. Some bananas are coconuts.

d) i. All buses are cars. ii. All cars with some red.

e) i. All monkeys are donkeys ii. Some pings are donkeys.

2) Find out next series - 5 ques. (very easy)

a)

b)

3) Odd man out - 5 ques - very easy,

There are all men whose faces are looking same but first man's nose has darkness.

4) Last three questions I don't remember but answer for (68,69,70) is B, C, B

At the time of technical interview they told regarding overall procedure. First was Pure technical round 2) technical + Hr Interview on same day.

They told joining in next week and package is 2.1 for first 4 months after that it will be 2.7. First upon they cleared that you must have aggregate 60% in Engg. & not having more than two arrears in engg. Seriously they're checking all these details at the time of interview. There are almost 20-25 panels for technical round. I got call for technical after 3 hours at 12:00 pm. Firstly he asked normal questions.

1) Tell me about yourself?

- 2) What is 'WORK' & 'FORCE'. asking physical defn.
- 3) What is ur favorite subject in engg. I told system programming.
- 4) Thn ques was what is complier, diff. between compilir & interpreter
- 5) What is XML, Abstraction, Polymorphism, how to implement runtime polymorphism in JAVA.
- 6) What databases u know.. diff. types of database. i.e n/w db, hierarchal db & rdbms
- 7) Then why software engineer ready to work more than 8 hours.
- 8) What is your final year project? Explain? What is ur role in project.
- 9) What u expect from CTS ?

That's all frm my interview.... But unfortunately I'm nt cleared technical round. Guys if u scored more marks in aptitude test then u have no problem in other round.

#### CTS PAPER ON 6th JULY AT CHENNAI

Hi Guys.... Sumit here.... Got into Cognizant. Dont worry.... They are very decent people. Ok..... .Let me tell u the pattern for Aptitude.  
Aptitude consisted of:(,Questions ll easy but,Time management s more imp)

#### Analytical Section:

Cubes related questions are very important.  
Venn diagram questions(easy)  
Binary decimal conversion probs (very easy nd scoring)

#### Verbal Section: (too tough but dont worry cut off ll be low)

Find out the incorrect sentence F  
ind out the correct sentence Passages(i didnt get time for ths section)  
You need to have good vocabulary for the verbal section

#### Logical Section: This was the most easiest of all. You can definitely score in this section

Find the odd man out(very easy nd scoring)  
Analogy of figures (Simple)  
then questions like some man are women all women are dog (kind of prob, refer R S Agarwal) -> Just find out the appropriate sentence which gives out the best meaning.  
And finally there was a word problem. Quite Easy!!!!!!

Note: no negative marking scheme..Out of 1260 only 612 people wer shortlisted:  
Interview:(next day,but i waited for more than 6 hours for tht)

The person who took my interview was very cool. He made me comfortable:

Me:Good morning Sir

He:Good morning.

He: Tell me about urself

Me: blah blah

He: hobbies

Me: Answered

He: So u are from IT?

Me: Yes Sir

He: Wats ur Area of Interest?

Me: Programming language C#.net.

He: Wat do u mean by DotNet Framework?

Me: : Answered

He: Can have ur mark sheets

Me: Sure sir (Then he looked my grades)

He: Wat are all the labs u had in last 3 yrs?

Me: Answered

He:Wat s web technology?

Me: Answered

He: What is RDBMS?

Me: Answered

He: Wat have u done in RDBMS lab?

Me: Answered

He: Wat r all ur interest other than Academics?

Me: Answered

He: have u ever participates in sports events?

Me: No sir,but i like to play cricket wth ma friends .

He: have u ever participates in Culturals?

Me:No sir.

He:Wats happenin in IT industry for tht wat do u do....any IT books or internet?

Me: Internet.

He: Did u read newspaper?

Me: yes sir then he ask me 2 GK questions.i answered only one correctly.

He: Wat do u do in free time?

Me: Cricket and programming...i love programming.

He: So wat programs hav u made?

Me: i explained my Games which i made.

He: Which language u used for tht?

Me: C#.net

He Did u presented these games anywhere?

Me: No sir,its my hobby.i do it for my self.never think about presenting somewhere.

He:U should present,,its good.

Me:In future may be i ll present.

He:Do u have any specific location where u want to work? Me:No sir,the only thing s i just want to enjoy my work,doesnt matter where i work.

He:Ok its all from my side. Do u hav any Questions?

Me:Yes sir,i asked one,and he explained me

He:any other question

Me:No sir

He:Thank you

Me:Thank you Sir

They are very cool guys. Technical and HR is in one round Out of 1260 students, 231 were selected. My name was one of them.

## CTS PAPER ON 6th JUNE AT COIMBATORE

Hi frnds,

This is Swathi from Amrita School Of Engineering,Bangalore.We had CTS recruitment at Coimbatore on 6th and 7th june.There were around 800 students in total and 191 students were selected.

CTS pattern consists of 3 sets:

### 1.APTITUDE

it consists of 25 quesns nd 30 mts

(1-5) VENN DIAGRAM PROBLEMS (refer to R.S.AGGARWAL Verbal and Non-Verbal for basic problems. You wil get slightly difficult questn.)

6. percentage problem (very simple)

(7-9) GENERAL QUESTIONS

(10-14) DATA SUFFICIENCY (refer to R.S.AGGARWAL Verbal and Non-Verbal (pg no 495)

(15-20) Very simple and scoring

If 1 is representd by \$ and 0 is representd by \* Then find the following

lcm(25,5,15)

(22 \* 33 \* 44)

( 20-25) PROBLEM ON CUBES (slightly tough) (refer to R.S.AGGARWAL Verbal and Non-Verbal (pg no 357 part II)

No need to refer R.S.AGGARWAL QUANTITATIVE APTITUDE

### 2.ANALYTICAL

it consists of 25 quesns nd 20 mts

READING COMPREHENSION PASSAGES 10 quesns(please dont attempt it first.its very time consuming)we had no negative marking.so just made some guess.

CHOOSE THE CORRECT STATEMENTS FROM THE GIVEN OPTIONS.5

quesns(very simple)

ARRANGE THE GIVEN OPTIONS IN LOGICAL ORDER TO FORM A SUITABLE PASSAGE. 5 quesns(I found few of them tough)

CHOOSE THE INCORRECT STATEMENTS FROM THE GIVEN OPTIONS. 5 quesns (very simple)

### 3.LOGICAL REASONING

it consists of 20 quesns nd 20mts

PICK THE ODD FIGURE FROM THE GIVEN FIGURES 5quesns  
(refer to R.S.AGGARWAL Verbal and Non-Verbal (pg no 207 part II)

CHOOSE THE FIGURE THAT WILL CONTINUE THE SEQUENCE 5quesns (refer to R.S.AGGARWAL Verbal and Non-Verbal (pg no 238 part II) (I dnt remember all of them)

TIME MANAGEMENT IS VERY IMPORTANT. we got our test results at 6.30 pm. we had tech and hr interview together on the next day at 12.

### INTERVIEW QUESTIONS (CSE BRANCH)

TECHNICAL: asked me to write a program on array of pointers and reversing an array. gave me a program and I had to give output.

difference between DBMS and RDBMS.

I had mentioned about project in my resume.so he asked me to explain that.

He asked me about my fav subject.I told OS and COMPUTER NETWORKS.

So asked me to explain types of scheduling.asked me few more from OS. did not know the answer.

HR: tell me about yourself.

strengths and weakness.(pls tell the same dat u hav mentioned in resume)

Mention some of ur hobbies.

Why CTS?

Why should I hire u?

What will u do if u r rejected?

I had given 'can work under pressure' and 'good team player' as strengths.He asked me to give instances.

Do u hav any questions? pls ask few.it shows ur confidence level.

JUST BE CONFIDENT.U MIGHT HAVE A STRESS INTERVIEW.SO DNT GET TENSED.THEY JUST CHECK UR CONFIDENCE.

### CTS PAPER PATTERN ON 6th MARCH

Hai Friends,

I am happy to say that i am selected as one of the candidates to join Cognizant for 2008 batch. 450 students attended the test...

The test was very simple...it consisted of 3 sections...



- 1) Verbal 20 questions 25 minutes This section was very easy ...just average knowledge of english is enough
- 2) Quantitative 25 questions 30 minutes easy section-questions from R.S.Agarwal Verbal And Non Verbal.
- 3) Analysis questions 25 questions 20 minutes easy section-questions from R.S.Agarwal Verbal And Non Verbal. this section requires a lot of concentration to successfully overcome the figure problems...

30 wer selected for interview scheduled on 6th march 2007

Technical/HR interview...

ME: gud mornin

HR: Good Mornin

HR: introduce ur self

ME: :Bla Bla..

HR: tell all sub. name that u studied so far.....

ME : Said...

HR: what is communication;becoz i m frm electronics& tele-comm. studnt.,,,,

ME: :i told everything that needed.....

HR: Wht is diff bet 8085 & 8086 microprocessor.....

ME: I said ....

HR: Talk abt step wave form

ME: said..

HR: how u will transf digital signal

ME: i said

HR: give pin name of 8085

ME: i expln 35 pins

HR: Explain flipflop

ME: answed..

HR: Why CTS

ME: Bla bla...

HR: Whas ur strenght and Weakness..

ME: said...while answerin weakness make weakness a positive one...

HR:how do u overlook ur self in 3years..

ME: said...

My interview lasted 20mts.....after that result came after 3hours..out of 30 candidates...20 of them wer selected to be a part of CTS..I share my success with all my well wishers and freshers world for my success in CTS

CTS PAPER PATTERN ON 6th MARCH

06-03-07 , CTS took 337 fresher from Techno Group colleges in a pool campus. 58 students were selected from Techno Main Campus, Salt lake. Main questions those were asked in technical question:

- \* Write a C Program to check whether a String is a Pallindrome or not, explain the logic.
- \*What is the differences between i++, ++i. Is it different to write for(i=0;i<10;i++) then to write for(i=0;i<10;++i)
- \* Sorting , Searching -> why needed, code of bubble sort, complexity of bubble sort. Insertion sort, Decimal to hexadecimal conversion, call by value and call by reference, advantages of call by reference
- \* SDLC model and its five steps,
- \* TCP IP, OSI Model
- \* Questions were asked from Windows VISTA-> what are the added special features
- \* Digital Electronics, specially basic questions from gates. NAND , NOR, XOR GATES. Why NAND is universal gate. Construction of XOR using NAND
- \*RACING \*New Features in windows Vista.
- \*Difference between C and C++, Definition of Object, Class, Polymorphism
- \* Can we develop Object Orient Program with C?
- \* Develop a queue with 2 stack, explain the logic.
- \* What is deadlock, questions were asked from all parts of OS, NO questions from UNIX OR LINUX.

70 questions were there in the apti test. 30 from arithmetic 20 from English 20 from reasoning Time: 70 mins

Thank God I didn't have to give the apti as has introduced a new scheme for topten students of each streams to direct interview.  
Our interview took place on 5 th March and was very easy..... Question were also asked from the ppt that took place ,before the apti.. Listen it carefully The final list of selected candidates was given on 6 th March. On that day only we were given the offer letters. Dont be panic during the interview. Be confident.

#### CTS INTERVIEW ON 7th JANUARY AT HYDERABAD

Hi friends,

Here is Nagarjuna Reddy, completed MCA from Osmania University , Hyderabad . Just undergone the recruitment process with Cognizant Technology Solutions (CTS) and got selected finally. This is just my second attempt for JOB. Prior to this, I've attended the TCS process and been rejected in the HR interview. The important dates for me with CTS were as follows...

Hall Ticket Received: 01/01/2007 .

Written test: 06/01/2007 . Results announced: same day.  
Interview: 07/01/2007 .  
Final results announced: 11/01/2007 .

And now I'm here to share my CTS experiences with all of you and to give some important points to get into CTS by cracking the recruitment process.

The process with CTS is as usual. First of all, written test and then the Tech+HR round of interview. Strictly speaking friends, for the written test, we need not require preparation at all. If we just go through the type of questions that we may face in the test, by following the previous papers, its more than enough to say. I.e. we should prepare our self to expect such type of questions in the written test. As for myself is concerned, I've prepared for just one day for the written test and one more day for the interview. This one-day too more than enough for us, provided you are good at English.

Merit Trac, a consultancy for conducting such aptitude tests on behalf of CTS, conducted the written test. When we enter into the test hall, we'll be given an answer sheet. In that, we need to fill some details like our academic career percentages (Semester wise), strengths, hobbies, software proficiency and expectations from CTS etc details. To know about all these details clearly, go through some of the papers available on this great job site.

Based on the details that U've provided here, U'll be assigned to various panels in the interview, if you've cleared your written. And I recommend you to be cautious while writing the software that you know under the software orientation column, since in the interview, you'll be asked questions from these subjects only.

So, its recommended to go to the written test by preparing answers for all these questions in good English, because, this is going to serve a lot in the further proceedings with CTS. The same answer sheet will be there with the CTS people until you receive your offer letter. Even in the interview, one of my friend has faced one situation. The conversation is..

Int: how many marks you are expecting from your written test?

Friend: I can't say exactly, but it may just cross the cutoff, i.e 35 or 36.

Int: No, We'll be selecting you based on the explanations that you've given in the answer sheet for our questions. Further we don't have any cutoff marks for the written test. (Even though it is not true that no cutoff, but there can be a minimal cutoff of 20 to 25 depending on your academic record, I personally think)

See friends, how much importance is there for those explanations in the answer sheet.

And coming to the interview section:

Mine was asked questions from JAVA mainly. Those who don't know JAVA can leave that particular section of my interview experience. No need to worry about it. On that day, there are 15 interview panels totally, each consisting of only one member. Our interviews were held in the Vanenburg IT Park auditorium. It's a surprise for us, since we expected that the interviews will be conducted in the cabins, but it didn't happened for us.

Coming to my interview part, everybody says that, it is tech + HR interview. But mine was asked only Tech questions in the interview. Not even a single HR question, since I'm an MCA, I think and also depending on the panel member. So, it's better to be prepared to face even such kind of interviews, in advance. The entire conversation was as follows.

Int: (As soon as I go to him n wished) take your seat Mr. Nagarjuna Reddy. Tell me about yourself

Me: (Routine question) done.

Int: what r Ur negative points?

Me: told all the -ve points as it is, which I've written in the answer sheet of my written test without any mistakes. (while I'm giving answer for this Q's, the interviewer is keep looking at my answer sheet. It means, those CTS people are cross checking the answers in the interview)

Int: you are an MCA, so you may have done your project work. Tell me about the software that U've used for that.

Me: the title of my project is..... and I've developed it using servlets n JSP technologies of J2EE.

(As soon as I given this answer, he started posing questions from Java and J2EE)

Int: what is a servlet?

Me: done.

Int: what is a web server?

Me: done n also told about BEA weblogic n Tomcat web servers.

Int: where we'll place the war file in Tomcat?

Me. The name of the folder is 'applications'

Int: in Tomcat.....? But what abt weblogic?

Me: (got confused that time n told) 'applications' is in weblogic and I don't remember it for Tomcat.

Int: what is the life cycle of servlet?

Me: done. (Told abt init(), service(), destroy() )

Int: when the destroy() will be called?

Me: given wrong answer. (by observing his facial expressions) I'm not sure about it.

Int: when the doGet() and doPost() methods will be used?

Me: sorry, I'm not getting it now, and I'm sorry to say that I've forgotten this.

Int: what is HttpServlet and GenericServlet?

Me: done.

Int: what is JSP?

Me: done. (that's all about questions regarding my project work n JAVA, then he jumped into C++)

Int: what are the differences between C++ and JAVA?

Me: (Myself keep telling the main differences. But he's asking new questions from my each answer) Machine independence, pure object oriented, Byte code etc

(when I told a difference, he is keep on asking some more questions on that. Those questions are like.....).

Int: How can you say that C++ is not pure object oriented and JAVA is pure object oriented?

Me: done.

Int: what is byte code? And what is the extension of this file?

Me: done. (Also I told that C++ will produce an executable file with the extension '.exe')

Int: is '.exe' the extension of C++ executable file? No, its not.

Me: No, I'm sure about it. (Said confidently and stressed it)

Int: what are OOPS concepts?

Me: done.

(friends! an unexpected incident happened here while giving answer for this Q. My mobile was kept on ringing as I've forgotten to switch it off. I've taken it out immediately. Then the interviewer asked me to switch off the mobile).

Int: what is compiler and interpreter?

Me: done.

Int: which type of language JAVA is? Whether it is compiled lang or interpreted lang?

Me: told that JAVA is both compiled and interpreted language. (some more discussion over it)

Int: what is overloading n overriding?

Me: done with examples on the paper. (This is all about C++ and JAVA)

Int: what is DBMS?

Me: done.

Int: what are the types of DBMS?

Me: told abt DBMS, RDBMS, ORDBMS.

Int: which type of DBMS is Oracle?

Me: told about the versions like, Oracle 8i – RDBMS, Oracle 9i – ORDBMS.

Int: is Oracle a DBMS or RDBMS or ORDBMS?

Me: Prior to 8i version, all are DBMS only, I think.

Int: what is the difference between Join and Union ?

Me: Not given exact difference. He was not satisfied with my answer. Then he left the topic by not continuing questions on it. (That's all about DBMS)

Int: what is OSI?

Me: (felt little bit confused with ISO and OSI, and given wrong answer but given the correct answer after some struggle).

Int: what are the layers of OSI?

Me: told all the layers without any problem.

(Also the interviewer asked me some more questions from Operating Systems like, memory mngt, Paging, Demand Paging, Deadlocks, necessary n prevention conditions, Thrashing etc. No need to worry about. All are basic questions only)

Int: (Finally) OK. You can leave.

Me: thank you. (and started back, but myself prepared to ask some questions and turned back to him) when can I expect the results of this interview? (even though it is not the question that I wanted to ask him.)

Int: our coordinators will say you. Ask them.

One more funny incident happened here friendz! while I'm coming back after completing my interview, the interviewer called me back and asked the following Q.

Int: You've specified that smoking is one of your negative point. How it can be?

Me: (As I've earned Masters Degree in giving lecture on this topic, I continued saying like this) Even from my child hood, I used to ask everybody not to smoke. But as the days are passing on, I've started smoking two years ago. Initially, I used to smoke a cigarette for 2 to 3 weeks, later it became 1 for every week, and now I've been smoking a cigarette on every alternate day. So, when I compare my present opinion with that of my childhood's, definitely it is a negative point in me. (He seems to be convinced with my explanation, but friendz, this answer didn't fetch me the job. This is just like a conversation between both of us. Remember that)

This is all about my interview pals. Here, the surprise for me is, during the whole conversation, I was not at all asked any HR questions, even though I've prepared a lot for it, and even the duration was 35 mins for me. But for every others, it was just 15 to 20 mins on an average on that day.

I was little bit curious over the final result. The results were announced after 4 days. But with God's grace and sufficient luck in this early New Year, I got selected finally. I think that, I was selected since I was been tested in almost all technical subjects.

So, no need to be panic of interviews friends. We should be as cool as we can. In the interview, we should feel that we are been discussing with our friends. No more formalities, no sirs, no madams. All those are not really required and also they don't expect us to salute them with the words SIR/MADAM. Even if you are not comfortable with any salutation, you can call them with their name or with the word 'Boss'. Remember it.

I think, this info will help at least some of you aspirants.

Thank you,

Be optimistic always n hope for the best,

Wishing all aspirants of CTS, a good luck.

#### CTS PAPER ON 7th MARCH AT KOLKATA

Aptitude Test consisted of 3 parts –English, Quantitative, Analytical (total 70 ques.—  
20+30+20)

English—(20 min,25 marks)

- 1) Two very long difficult passages (total 10 ques)
- 2) Correct sentences. – 5 ques
- 3) Incorrect sentences. – 5 ques
- 4) Logical Order. – 5 ques.

2) Quantitative--(30 min,25 marks)

- 1) Two Venn diagram - 5 ques each.
- 2) Logical reasoning. – 4 ques each
- 3) Coding(replace 1 by \$ and 0 by \* for decimal to binary conversions) - 5 ques
- 4) Data Sufficiency- 5 ques



5) Cube problems- 5 ques

(For all these sections prepare thoroughly from R.S. Agarwal—Verbal and Non-Verbal Reasoning)

Analytical-- (20 min,20 marks)

- 1) Picture Sequence
- 2) Logic (see R.S Agarwal)
- 3) Puzzle
- 4) Statement--Conclusion

Interview Questions were very basic (Technical and HR taken together) like—

Differences between C and JAVA.

Features of JAVA.

Why JAVA is OOP?

What is Inheritance?

What is Constructor?

What are default and copy constructor?

When to use them?

What are pointers?

What are its uses?

What are call by value and call by reference? (From perspective of C and JAVA)

How are they actually different?

What is recursion?

Write a recursive program. Explain.

What is a microprocessor?

What are they used for?

Where are they present?

What is dll? What are they used for?

What is UML? Describe.

How is a C program compiled?

How is linking done?

What does a linker do?

Sorting (All types)

Linked list, Stack, Queue, etc.

Differences between DBMS and RDBMS.... and so on...all very basic (if u r lucky!!!)

Fill the form provided with the answer sheet carefully.... be confident and positive...don't lie...keep it cool.... and if u have the luck u will get through.

(70 out of 108 students got through from our college...they are recruiting in huge numbers)

#### CTS PAPER ON 8TH JULY

Hi frenz, Lets me first thank those who have contributed papers of CTS in freshersworld. believe me they are really helpful.

Now lets start frm d begainin. CTS came to our college a day before to arrange a workshop of hw to face a campus. It was really enthusiastic. They tell frm d very Basic of hw 2 face d written, how 2 handle G.D then finally abt intervw.On d final showdown that's on 8th the same people came but as a cognizant associates the ppt had really pumped ur energy. they started with Q &A relating to cognizant n 4 a correct ans they give prizes (cap n bag with name cognizant).Then at 11:30a.m the written exam started. Merit Trac company conducts test of cognizant. Mind it they r very strict in discipline.

There were 3 sections in test

ANALYTICAL ABILITY (25 Q,30 min)

VERBAL ABILITY (25 Q,20 min)

ATTENTION DETAILS (20 Q, 20 min)

B4 d question paper they ask 2 fill data sheet which consists of following detailsUr details, ur sem wise %, software orientation, strengths n weakness, wat u expect frm cognizant, ur short term and long term goals. Prepare dis ans bcoz mostly they ask frm dis only.

ANALYTICAL ABILITY-b well prepared 4 dis section bcoz it was really tough. Prepare it frm any CAT material or R.S AGARAWAL. Dat shall b enough now pattern: cube cutting prob(5Q), arrangement prob(5Q), decimal 2 binay conversion(5Q), data sufficiency(4), 2 aptitude ques(other type a don't remember but there were no venn diagam Ques)

VERBAL ABILITY- it consists of 2 passages(5 Q frm each part ), 5 jumbled sentences, 5 q on find d correct sentence, 5 q on incorrect sentences.

ATTENTION DETAILS- dis is d easiest part

5 Q on syllogism,5 on odd figure out, 2 Q on completion of series, 3 Q on passage, 2Q on drawing conclusion

There were 325 students appeared, 77 had direct interv w (they had put d criteria of direct interv w 4 top 8 students of each branch, but in sum branch they had 4 for direct interv w) out of the rest 84 cleared d written test making total persons facing interv w to 161 including me.

My interv w was at 4:00 p.m. the interv w was very nice

I: may I come in sir

HR: come in

I: gud evening sir

HR: gud evening, plz hv ur seat

I: thank u sir

HR: tell me abt uself

I: blah-blah

HR: as a mech engg. Y do u want to join an IT company

I: blah-blah

HR: wat is gear-ratio

I told

HR: wat is differential

I told

Wat is Fe-C diagram

I told sorry sir I can't recall now

Write a prog on C to find area of a circle

There were other technical questions too.

At night 10:30 results were declared 68 students were selected including me

CTS PAPER ON 8th MARCH AT FARIDABAD

Dear friends,

I am GOURAV RATHI FROM YMCA INST. OF ENGG., FARIDABAD. First of all i m very thankful to freshersworld for providing me such valuable guidance in preparing myself for my campus interviews. CTS came to our campus on 8th march. We had our aptitude test & interview BOTH on 8th. Here i have given my whole experience. I will try to help you as much as i can. there was a ppt. after our written test plz dont try to remember every thing they say. only listen to the main points. that will help you enough my friends

#### APTITUDE TEST:

Firstly you will be given a form to fill up. plz prepare the following points for the form.

- 1) your marks for each sem.
- 2) your short term & long term goals.
- 3) your strength & weakness.
- 4) what is the expectation from cts.
- 5) what do you think is necessary for a software professional to be successful.
- 6) your hobbies, extra-curricular activities, interests.
- 7) software orientation.

plz, be care ful with the points you write bcoz those will be cross checked during the interview.

In the written test: 1) this section is from english. 20 min. v. difficult to manage the time. two passages will be given. jumbled sentences were there. you have to arrange them. there were finding incorrect, and also incorrect sentences.

2) this section consists of quantitative (30 min). two venn diagrams were there (i couldn't solve it). data sufficiency probs were there. problems on binary no. (\$ for 1, \* for 0). you only have to convert each no to decimal and find out the binary (v. easy). eg: lcm(3,4,6) some options were given in binary.

3) this section from logical reasoning (20 min).

eg: all tables are chair. all chairs are desks;

there were qs from figures. like odd figure out. 4 options were given, you have to find the odd one. one critical reasoning was also there.

Written test results were announced in the noon and i was shortlisted for the interview and was said to wait till 4.30pm.

#### MY EXPERIENCE:

me: good EVENING sir (with a firm handshake)

int: good evening have a seat.

int: tell me bout working of tube light

me :told the little bit idea.

int: ok tell bout working of fan

me: didnt know much bout it bcoz i was frm ece not from electrical said it straight forward

int: ok den tel me bout nyquist rate  
me: told  
int: tel bout pcm nd band pass filter  
me: told  
int: dats it any ques u wanna ask  
me: i ask about company profile etc. etc  
me: thank you sir. went out.

i was v.v.v.v.tensed for the result. it was declared at 6:00pm  
THANKS TO GOD. I WAS SELECTED. hope we meet in cts.

CTS PAPER ON 9th APRIL AT TAMILNADU

Hai friends me bharath.k.s,Noorul Islam College of Engg. placed in CTS

Before giving the pattern pls note these imp points.u have to fill up some questions before the test.

- 1.ur sem marks
- 2.whats ur expectation from cts
- 3.wats ur long term and short term goals
- 4.mention some points that u think needd to be a good software engineer
- 5.software orientation
- 6.ur strengths and weakness
- 7.hobbies and extra curricular activities

They will surely ask questions from above when u go to interview.so pls be prepared for the answers.

Pattern

- 1.Verbal
- 2.Analytical
- 3.Nonverbal

1.Verbal(25Q 25min)

5 correct sentence,5 incorrect sentence,jumbled sentence,2 passages  
my advice is not to do the reading passage first.do the correct incorrect sentence. then come to passage.u will have no time to read the passage.

2.Analytical(25Q 30min)

venn diagram(5) its simple u can do it .FIRST DO VENN DIAGRAM

decimal to binary conversion(5).the ques will be like this.0 replaced with \* and 1 replaced with \$.PLS DONT CONFUSE BY READING REST OF THE QUES.just do DEC TO BIN CONVERSION and replace by symbols.thats all.u can easily do it  
eg: avg(70,170,270).just do the average and then convert to binary  
similarly lcm(20,40,80) just do lcm and convert to binary

data sufficiency (5Q) pls refer RS aggarval

cubes(5Q)  
puzzles(5Q)

3.Non verbal

odd figure(5),next figure(5),Logical deduction(5),puzzle.

for logical deduction pls refer rs agarwal its enough.study the nine rules given for syllogisms.odd fig and next fig out is very easy.

THAT'S ALL FOR APTITUDE.

212 candidates appeared for test.102 cleared the test.48 cleared the interview.,

CTS PAPER ON 9th JULY AT MUMBAI

Hi Guys.... This is Suchita here..... Hurray Got into Cognizant. Dont worry.... They are very cool people. Will make u comfortable. Ok..... Not wasting much of the time. Let me tell u the pattern for Aptitude.

Aptitude consisted of:

Analytical Section:

Cubes related questions are very important.

Venn diagram questions

Data sufficiency

Verbal Section:

Find out the incorrect sentence

Find out the correct sentence

Passages

You need to have good vocabulary for the verbal section

Logical Section:

This was the most easiest of all.

You can definitely score in this section

Find the odd man out

Analogy of figures (Simple)

then questions like

All birds are sparrows

All peacock are birds.

-> Just find out the appropriate sentence which gives out the best meaning.

And finally there was a word problem. Quite Easy!!!!!!

Note: In our aptitude test there was no negative marking scheme. So enjoy. Out of 200 only 104 people wer shortlisted:

Interview:

The person who took my interview was very cool. He made me comfortable:

He: Hello, How aare you?

Me: M fine thank you.  
He: Tell me about yourself.  
Me: Answered  
He: Ok, tell me what is Object orientation  
Me: Answered  
He: What is inheritance and draw multiple inheritance?  
Me: Answered  
He: What is overriding and overloading?  
Me: Answered  
He: Can you override a function in the same class?  
Me: No  
He: Can you overload a function in the same class?  
Me: Yes  
He: You are from diploma so tell me something about your project  
Me: Answered  
He: Is firewall a hardware, software, or some protocol?  
Me: Answered  
He: What is RDBMS?  
Me: Answered  
He: What are the important components required for showing your project graphically?  
Me: The entity, relationship betn them, primary key, foreign key.....  
He: Ok so do you want to ask me something?  
Me: If i m selected, what are the languages that i must study?  
He: Answered.  
Me: Thank You Sir.  
They are very cool guys. Technical and HR is in one round

Out of 104 students, 43 were selected. My name was one of them. Hurray!!!!Believe me guys i wasnt through TCS and Accenture..... But made it for CTS. Never lose your confidence.

#### CTS PAPER ON 9th JUNE

hi frnds .This is Ramya from Koneru Lakshmaiah College Of Engineering from Vijayawada.we have campus in our college on june 9th 2007. totally some 600 people attended the return test and 215 got through the return and finally 86students are selected for the company.

CTS pattern consists of 3 sets

1.APTITUDE

it consists of 25 quesns nd 30 mts

the quesns r from VENN DIAGRAMS(1-5)

GENERAL(6-9)

DATA SUFFICIENCY(10-14)

IF 1 IS REPRESENTED BY \$ ND 0 IS REPRESENTED BY \* THEN FIND THE FOLLOWING LCM(7,4,6).....(15-20)

CUBES(20-25)

2.ANALYTICAL

it consists of 25 quesns nd 20 mts

the quesn r from CHOOSE THE CORRECT STATEMENTS FROM THE GIVEN OPTIONS.some 7-8 quesns

READING COMPREHENSION PASSAGES 10 quesns

ARRANGE THE GIVEN OPTIONS IN LOGICAL ORDER TO FORM A SUITABLE PASSAGE.some 5-6 quesns

CHOOSE THE INCORRECT SENTENCE C FROM THE GIVEN OPTIONS.some 3-4 quesns

3.LOGICAL REASONING

it consists of 20 quesns nd 20mts

the quesns r from SYLLOGISMS some 7-8quesns

PICK THE ODD FIGURE FROM THE GIVEN FIGURES some 10quesns

FINALLY GENERAL READING PASSAGE ND QUESNS BASED ON THAT R GIVEN some 3 quesns

The easiest paper i think is the 3rd set if we do with some concentration While doing the second paper its better not to read comprehension passages.stop that nd read the remaining quesns The aptitude test is also easy if we r perfect on the basics \*CUBES R LITTLE BIT TOUGHER.SO leave that nd proceed with the remaining TIME MANAGEMENT IS MORE CRUCIAL.

ND FINAL ROUND IS HR

i was interviewed abut 20mts

\*THE MOST IMPORTANT THING TO REMEMBER IN HR IS HAVE SELF CONFIDENCE IN U.DONT GET TENSED ANY WHERE.

The results were announced at 10.00pm and finally i got selected FRNDS ALL THE BEST WHO R AIMING TO COGNIZANT

CTS PAPER ON 9th MARCH AT KOLKATA

Hi Friends.... It was an incampus of Cognizant .....

The test was devided into 3 parts.....(A), (B) & (C)

In (A) There was 25 Q Time: 20min

a. There was a long passage and Q from it.(attempt at last) 5-6 Q

b. Find out the right / wrong sentence(s). It was easy one. There was gramartical error, Read carefully u will be able 2 find it. 15-16 Q



c. Arrange the sentences. Apply common sense 5-6 Q

In (B) 25 Q Time 30 min

Easy One.....

a. Cube Colouring problem.....

A black cube was cut into 64 equal pieces. Then 4 cube of one face which were in diagonal removed and then coloured red.

Then Answer The following Q

1. What is the difference between the number of cubes which is coloured in 3 side, in the previous(black) and now(red)?

Ans:

0

2

4

8

2. What is the difference between the number of cubes which is coloured in 2 side, in the previous(black) and now(red)?

3. What is the difference between the number of cubes which is coloured in 1 side, in the previous(black) and now(red)?

4 How many cubes will be unchanged?????

B) Seating arrangement problem. (Practise from RS Agarwal)

C) A, B, C, D are 4 B/W photo ; P, Q, R are 3 Colour Photo. There r 2 album X, Y, U have 2 put photos in that two albums. in such a way that... B,P and Q,C cant in same album. An album can hold max 2 Colour photo...

Then 4-5 Q..... Easy

Ven diagram problem. There was more Q ... But easy one..... Keep Patient to solv

In (C) It was an easy paper.....20Q 20 min

Odd Figure, Reasining etc.

INTERVIEW 20-25 min

In inter view At home Environment...(T & HR)

1. Say about urself.

2. Favourite Sub.

3. Basic Q from DBMS, Software Engg, Java, C.....

Like Why SW ENGG required? What is SDLC? What r the stapes in waterfall model.....

4. What is ur preferable location???

Why This Company??

CTS INTERVIEW PATTERN ON 10th APRIL AT KOLKATA

Cognizant Came to my college(Institute of engineering and Management,kolkata) 10 april for ON campus . total 112 students appeard for the apti - 104 cleared .apti was according to the format but the english was lengthy ,the sentence arrangement took too much time to solve and almost no students(including me) could even touch RC , I answered all "C".Verbal and Non-verbal was very easy .Only problem is the time constraints, so a little bit of practicing before exams help.

After that it was HR+Tech ..

Me - Good afternoon sir,

Hr - good afternoon, please sit.

Me - Thank you, sir.

Hr - so Chiranjib, tell me why do you want to join cognizant?

Me – high growth rate, work environment ... bla bla bla ..

Hr – so your hobby is listening to music, what kind of music do you listen to ?

(I gave Music, Movies, Football, Computer Games, blogging and image editing/wallpaper designing as my hobby, so what ever you give as hobby, get a decent knowledge about that subject.)

Me – mostly Rock and Metal. I am a big Pink Floyd fan.

Hr – what other bands you listen to other than pink Floyd ??

Me – sir,I also like bob Dylan and The Beatles .Nowadays I am also into death metal, I love Obituary etc .

Hr – ok, what is you favorite Pink Floyd song?

Me – (after a few second of pause as if I am trying to find which is my favorite pink Floyd song among hundreds of songs by them :P )Comfortably Numb.

Hr – hmmm, so you watch movies too, what kind of movies ??

Me – mainly European movies , I don't like masala bollywood movies. movies like city of God , y tu mama tambien etc ...

Hr – you have seen city of God ( very impressed , at that time I was almost sure that I have done it ;)) .

Me – yes sir. infact I have seen CDD 3 times .. it's a revolutionary movie .

After this it was more of a discussion on European and Mexican and Brazilian movies. I am a movie geek so no problem for me .. Again as I said get some good knowledge about your hobbies.

Hr – do you play football ?

Me – yes sir, I play for my class football team in college, though due to projects and lab woks don't get time to practice too often .

Hr – favorite team, favorite footballer ?

Me – Arsenal, henry and fabregas.

(I gave over-enthusiasm as my –ve point)

Hr – why do you think over enthusiasm is a –ve aspect for you??

Me – said from a personal experience, how I once suffered for too much enthusiasm.

Hr - ok , so do you have any problem with relocation ??

Me – no sir ... and show some reasons why it wont be any problem.

Hr – ok, do you have any question?

Me –(sadly I forgot to prepare for any question to ask :P ) after a bit stammering ( acted as if I have too many question to ask :P ) what re we taught during that 2 months of training.

Hr – answered .(please pay attention to what ever he/she says, and ask 1 or 2 question according to his answer to the first question, this will impress him/her very much as if you really want to join cognizant at any cost.)

Atyer 2-3 questions...

Hr – ok thank you .

Me –thank you sir.

So this is it. The interview barely lasted for 10 minutes. Not a single tech question was asked to me. But some of my friends were interviewed for 30-40 minutes and those were completely tech interview questions.

After about an hour the results were announced and I was selected

Apti – 112 – 104. Hr/Tech – 103 -50.

That's about it. Remember to be cool, be a bit funny and show real interest in joining the company. Best of Luck to you all..

CTS PAPER ON 10th JUNE

Hi all!

For cognizant in our college 769 appeared for test had 3 sections and 451 were selected for next round means for interview....out of which 237 were finally selected and I'm one of the lucky persons.

First time I appeared for any company and I want to share my experience with you all and hope you'll also get benefit from my experience as I got from this website....

There were 3 sections in test each was having its own time....

- 1) Analytical:(25 questions in 25 min) -problems on cube, ven diag, series, coding, some simultaneous eqns n find variables...easy except ven diag
  - 2) Verbal(25 questions in 25 mins)- 2 passages each of 5 qns, sentence correction(correct, incorrect), jumble d sentences in correct order...was only tough
  - 3) Non verbal(20 questions in 20 min)-odd fig out.....was very easy section.
- u need to manage ur time in hall... dont waste ur precious time on lengthy one even if u know...first u solve dat can be solved in few seconds then u go for rest. there was no -ve marking so u can make ur guesses:)

Verbal section was too lengthy so I could not c a single line of two passages but tried for others cut off goes very low in verbal section so need not 2 worry.... rest section was very easy..... u need to practice for cubes, ven diags....go through any good book...

R.S.AGRAWAL u can follow

problems:

- 1) one cube is divided into 343 small cubes and assembled again as a one cube and now it is painted  
how many cubes havin 0 face painted(ans....125)  
how many cubes havin 1 face painted(ans....150)  
how many cubes havin 2 face painted(ans.....60)  
how many 3 face painted(ans...8)

how many more dan 2 face painted(ans...8)

2)based on codin....in a system 1 is represented by\$ and 0 by \* then find the values of followings in d same system.....was very easy based on binary to decimal conversions....totally 5 qsns on this .

finally interview :

person was very friendly,biuld ur confidence and dont be afraid.

#### CTS PAPER ON 10th MARCH

Hello, i m lakhan lalla

I cleared the CTS written test, after i was called upon for the interview.... here are the interview questions which were asked to me...

The HR part :-

The only HR question asked from me was,

1) Tell me about urself ?

After this question i was asked only Technical questions and those questions went for abt 30 mins.

The Technical Part:-

1) what is Virtual Memory ?

2)Tell me abt Primary Key and Foriegn key?

3)Is the key which declared , foriegn in one table, primary in the second table?

4)what is Software life cycle i.e. steps involved( only this was the ques which i didnt answered)

5) what is RDBMS?

6)A simple c-prog.

#### CTS PAPER ON 11th MARCH AT BANGALORE INSTITUTE OF TECHNOLOGY

well cognizant came to BANGALORE INSTITUTE OF TECHNOLOGY ON APR 11th  
i am ashish daga ec

FIRSTLY THERE WAS WRITTEN ROUND 3 SECTIONS(MERIT TRAC)

1)VERBAL:IT HAD FIND CORRECT SENTENCES/INCORRECT SENTENCES  
AND TWO PASSAGES

MY ADVICE IS LEAVE THE PASSAGES AND TRY TO SOLVE THE OTHERS AS  
25Q/20MIN ARE THERE ONLY

2)ANALITICAL: IT HAD DATA SUFICIENCY-5Q,Q'S LIKE IF '1' IS '\$' (BINARY)-  
5Q'S AND CUBES-5Q'S

CUBES Q'S WAS: CUBE IS CUT INTO 125 SMALL CUBES THEN FROM 2ND  
AND FOURTH HORIZONTAL COLUMN THE 2ND AND 4TH CUBES ARE

REMOVED THEN CUBE IS PAINTED - 5Q'S BASED ON THESE LIKE HOW MANY HAVE ONLY 1 SIDE, 2SIDE PAINTED.

3) LOGICAL REASONING: IS HAD LOGICAL VENN DIAGRAMS EG: ALL BOYS ARE MEN OF THIS TYPE, THEN FIGURES WERE GIVEN AND WE HAD TO FIND NEXT FIGURE THERE WAS ALSO CONDITION PROBLEM LIKE SOME ARRANGEMENT type of prob

final round: hr interview

he asked tell me abt urself being my first i was really nervous but slowly i became confident

so why cognizant- i said the growth was really good so i would love to join

what are ur strengths/weaknesses....

short term/long term goals

so do know well abt company and what it does and do show interest in the company

he asked do u have any q's i asked my job profile and also cts based in us does it have plans to enter bse

so this shows i am really interested in the company

finally i was selected to join CTS so basically be confident and back urself

CTS PAPER ON 11th JUNE AT MANIPAL

Hai friends this is GAURAV from Manipal Institute of Technology, Manipal. Recently Cognizant visited our College for Campus selections. Totally approximate 300 members attended written exam, 95 cleared the written test & totally 37 got placed in the Company. Luckily i am also one of the 37 members who got placed. So i want to share my experiences with u, first of all I thank Freshersworld for providing information about cognizant.

Before giving the pattern pls note these imp points. u have to fill up some questions before the test.

1. ur sem marks

2. what's ur expectation from cts

3. what's ur long term and short term goals

4. mention some points that u think need to be a good software engineer

5. software orientation

6. ur strengths and weakness

7. hobbies and extra curricular activities

They will surely ask questions from above when u go to interview. so pls be prepared for the answers.

Cognizant paper consists of three sections. they are

1) analytical 25 questions 30 minutes

2) verbal 25 questions 20 minutes

3)attention 20 questions 20 minutes

1)ANALITICAL: IT HAD DATA SUFFICIENCY-5Q,Q'S LIKE IF '1' IS '\$' (BINARY)-5Q'S AND CUBES-5Q'S

CUBES Q'S WAS: TWO CUBES ARE THERE. ONE IS CUT INTO 125 PARTS AND THE OTHER IS CUT INTO 216 PARTS AND BOTH THESE CUBES ARE JOINED TO FORM A CUBOID. ALL THE CORNER CUBES ARE REMOVED AND THE WHOLE CUBE IS PAINTED - 5Q'S BASED ON THESE LIKE HOW MANY HAVE ONLY 1 SIDE,2SIDE PAINTED. QUESTIONS ON VEIN DIAGRAMS.

2)IT HAD FIND CORRECT SENTENCES/INCORRECT SENTENCES AND TWO PASSAGES

MY ADVICE IS LEAVE THE PASSAGES AND TRY TO SOLVE THE OTHERS AS 25Q/20MIN ARE THERE ONLY.

WE HAD TO FIND NXT FIGURE THERE WAS ALSO CONDITION PROBLEM LIKE SOME ARRgemnt type of prob. QUESTIONS RELATED TO SYLLOGISM

Final round: hr interview

he asked tell me abt urself

WHY CTS?

WHAT DO KNOW ABOUT CTS.

WHAT IS YOUR FAVOURITE SUBJECT

QUESTIONS LIKE CONCEPT OF REFRIGERATION?

WHAT WILL YOU DO IF I REJECT YOU?

WHAT CAN YOU DO FOR OUR COMPANY BEING A MECHANICAL ENGINEER?

IMFORMATION REGADING ALL THE CLUBS THAT I MENTIONED IN THE RESUME?

STRENGTH AND WEAKNESS?

NECESSARY STEPS TO OVERCOME YOUR WEAKNESS?

DIFFERENCE BETWEEN C AND C++?

DO U HAVE ANY QUESTIONS?

So this is it.The interview barely lasted for 25 mintues. My suggestion to face the HR is Be con

CTS PAPER ON 11th JUNE

Hi friends

i m sandeep from vit,vellore.i got selected in cts.so i want to give my experience to u;may be it will help u.

the cts selection procedure comprises of

1.written test

2.personal interview

3.offer letter

Written test:

it comprises of 3 sections

sec1: verbal

sec2:english

sec3:non verbal

Verbal:

1.cubes

2.binary number(e.g, \$ means 1,# means 0 than what is the value in binary of LCM(10,20,30)/4

3.set theory(venn diagram)

4.seriese

5.blood relation

6.data sufficiency

7.disance covered

English:

1.passage

2.jumbled sentence

3.find the correct sentence

4.find the incorrect sentence.

Nonverbal:

1.odd man out from given figures

2.find next figure in seriee.

3.conclusion derivation

4.1 puzzle

Personal interview:

The interview was quite comfortable for me.the interviewer is very friendly for me.all most questions are mix of technical and hr.

CTS PAPER ON 12th APRIL

Hi Friends,

I am Amit.CTS came to our college on 12th April.2007.They have got the 1st slot in our college.They gave a special offer to us-- All the top 10 students from each deptt. would get oppurtunity for direct interview. Fortunately I'm one of the topper of ECE deptt of our college.So, i got the chance for direct interview.Our interview started from 6.15pm.But I'm first candidate for interview in pannel no. 4.At first I got astonished.

DESCRIPTION of INTERVIEW :

There are two interviewers in my panel. Interviewer 1 was very friendly & co-operative while the other was very problem-creater.



Me: May I get inside sir (with a smile)?

Interviewer 1: yes.

Me: Good Evening Sir!

Intv 1 :tell me about urself Amit.

Me:(I give my intro as usual.but first one interrupts me).

Intv 1: Why u choose ECE?And why are u want to join in an IT company like CTS?

Me: (I told all the reasons)

Intv 1:What is ur actual rank in ur class?

Me: Officially 8th.But actually 7th.

Intv 1:What is Brownian motion?

Me: Random motion of sub-atomic particles due to thermal instability.

Intv 1: What is X-OR gate and draw the circuit of it using NAND or BASIC gates?

Me: (I draw the truth table ,ckts )

Intv 1:What are three states of BJT?

Me :(I can't answer)three states mean.....I know about two states of BJT in digital ckts-- ON & OFF..(I can't tell the three states mean--- Active, Saturation & Cut-off regions that moment & I become very nervous)

Intv 1: Don't be nervous. It is not a Rocket science. It is very easy job.U can take water from the bottle on the table.

Me: ( I feel really nervous at that time, but I want to recover myself quickly)thank u sir....I'm OK..

Intv 2: Do know about C?

Me: Yes sir.I've a little bit knowledge in C.(Though I know C,Core JAVA,SQL commands ,I only show my IT knowlegde only in C in my resume)

Intv 2:Do u know about looping?

Me: Yes.

Intv 2:How many types of loops in C?

Me: Three types---do,do-while & for.

Intv 2:What is infinite loop?

Me:(define infinite loop).

Intv 2:How can u a loop to infinite one?

Me: (I told that to insert a 1 in the condition checking statement & he frequently aksed in which method it become infinite. I told the answer. But he did not satisfied. I again explained, but.....)

Intv 1:If u can't tell the answer,I will want to ask some questions.

Me: yes sir.U can ask me...

Intv 1:What is Newton's 1st law?

Me : (I told).

Intv 1: What is Microwave?

Me:(though I've read any text about Microwave, I also tried the answer)

Intv 1:Can u apply Newton's 1st Law to Microwave?

Me :(this is a chance for me)Actually microwave is a spacial form of energy and it has no mass.Newton's 1st law can be applicable to the things that have some mass. So, it can not be applicable microwave.If we can transform microwave in such a way to mass by applying Einstein's  $E=m(C^*C)$  ,then we can apply Newton's 1st law to microwave.(by this answer i can successful to impress them)

Intv 1& Intv 2:Very good..!!! Very good answer...!!! (with a smile.....)

Me:(I got my confident back)

Intv 1:What is triod?

Me: (I draw the triod and explain its operation.Besides this i also the reason for which it is now obsolated)

Intv 1:(Again.....)Very good Amit!!!

Intv 1:Have u any question?

Me: What type of work culture present in CTS by which CTS become the fastest growing IT company of the world?

Intv 1 & Intv 2:(they explain.....)

Me:thank u sir.thak u (with a smile and hands shake them....)

This was my interview experience. It would take 20 minutes. At 5.00 am of 13th May, the result was out. They selected only 2 candidates from our panel and all over 101 candidates are selected. Many many thanks to GOD.

So, be cool and confident at the time of interview. It is very easy. Don't be excited and always behave good in front of them. Hope u all will be successful in our life.....bye.....

#### CTS INTERVIEW ON 12th MARCH

It was a fine morning on the 12 th of march.....i went 2 my college to get a chance of being employed.....the aptitude paper mainly consisted of English and analytical part...it was easy.....then was the time of the interview...I entered the room

Me: may i come in sir?

Int: yes.come in

Me: good afternoon sir

Int: plz sit down

Me :thank u sir

Int: so abhirup....introduce urself...

Me: I am doing my btech frm this college....i am this ...I am tht...bla blab la....

Int: suppose u will have to complete a work in adeadline...ur coworkers doesn't help u...wht will u do????

Me:1st of all I will try to convince the person to work...if he doesn't agree....i will give more than 100% and try to complete it myself

Int: good

Int: what is the diff btwn C and java?

Me :told the answer

Int :who is ur favourite player?

Me: saurav ganguly

Int: ?how many test centuries does he have?

Me not very sure but I think its 15

Int: u should be knowing well abt him

Me :I know sir

Int: so u have played cricket right?

Me: yes sir

Int: what is the diff btwn in swing and in cut?

Me: explained him:

Int: asked me a question on C

Me: I wasn't sure of the answer....confidently told him the wrong answer..

Int: what is encapsulation?

Me :told him

Int: what do u mean by a good s/w professional?

Me: a person who has learnt a lot and can apply himself accordingly and never has to look back in his life

Int: asked on SDLC

Me: answered but was not confident abt it....but still I said that I was confident....

Int: how will u celebrate tonight if u get this job?

Me: I will celebrate with my parents.i will ring up my frndz and relatives abt this good news....thats how I will celebrate

Int: wht if u dnt get this job?

Me: initial reaction will be tht of disappointment....but I have that confidence and optimism that I will make it through in the next interview

Int: excellent

Int: if u dnt get this job how will u improve urself?

Me: I will not improve myself...I am perfect

Int :good.....thank u so much...good luk

I got selected..what I want to say is that have a good communication skill.....have confidence and attitude...all that they see is confidence...even if u say the wrong answer confidently say that it is right...they see how confident u r...they dnt want technical knowledge.....be confident and have positive attitude...and dnt be nervous.....good luk

#### CTS PAPER ON 12th MAY AT AHMEDABAD

hello friends, for all those aspirants wanting to go in cognizant or CTS whatever b d name.... here I share wid u my experience of d whole journey of getting thru d selection process.

The Written test was conducted on 11th may @ 8.30 pm in our college followed by a very nice PPT .The PPT itself was very dynamic n interesting. The written test had d following format. The paper was from Merit Trac

SECTION - I English (20 mins)

- 2 Reading Comprehension
- Find the incorrect sentences
- Find the correct sentences
- Jumbled sentences which u have to arrange in an order

SECTION - II (30 mins)

- 5 ques on Binary nos
- ( if 1 is replaced by \$ and 0 by \* so how is lcm of 56,45 represented as ? )
- Problem on Cubes
- 3 sums on maths
- Statement and Assumptions

- a problem on Venn Diagram
- Puzzle (arrangements problems)

SECTION - III (20 mins)

- Statement - Conclusion
- find the decision sentence from d given sentence much like statement conclusion but u got to read n interpret instead of drawing venn diagrams
- Pick the odd one out
- Fig coming next in d series
- one puzzle again

The written test was preceded by filling up d ans sheet wid some details. v ver told der was no negative marking and der was sectional cutoff. Friends the time is very less for each section esp for english so pls speed up n attempt ques first u knew n leave d ques u dnt knew for some last min wild guesses. in eng do RC @ d end only else u vl lose a lot of time in dat.I cleared d written test among 146 ppl clearing from my college.....

The interview was scheduled on d next day on 12th may from 9.am onwards n my turn came @ 11.10.my interv w lasted for around 20 mins.here r some conversations I remember from d interv w.

Interviewer : So u have written here @ ssc n hsc percentage rite? u have done BCA?

Me : yes sir

Interviewer : So purvi , Tell me something @ urself

Me : I spoke academics, family background, strength weakness, hobbies

Interviewr:Have u done any proj in bca ?

Me: yes a minor proj

Interviewr:tell me @ data proj.explain

Me : I explained d whole thing... blah blah

Interviewr:whose idea was there behind d proj?

Me : mine initially

Interviewr:Have u done any proj in MCA?

Me : yes n explained d whole thing

he was not much convinced so asked me more @ d proj n a ill bit technical details @ d proj.I explained well again.

Interviewr:Are u ready to travel in ne part of India?

Me : initially yes sir .I don't have new problem in wherever ur company sends u

Interviewr:Why CTS?

Me: It has been my dream co since d first day of my college.whn my senrs told data dey r placed in cogni on orientation day I was inclined to knew more @ d co n got to knew

from its website. I also explained a lil bit @ my fav subject on compilers n all. He also asked me @ having A.Cs in classrooms n all n appreciated d environment of our college

Interviewr:What d u knew @ cognizant

Me : I have heard a lot of positive feedbacks from my sends n work satisfaction n all....

Interviewr:How d u keep urself updated wid latest technology

Me : I said I read technology magazines in my college library n get newsletters on technology.dnt rely much on internet for it. magazines r a good medium for me I spoke a lot @ d company as it being my dream co.

Interviewr:Do u have ne questions to ask?

Me : Yes sir, I wud like to knew @ training prog in ur co.. n if our duration of training can b shortened based on our performance evaluation.

He explained me why its not posb in their co. n also told me dat v get to learn from employees of their co who have 5-11 yrs of work exp.

Me : May I knw ur name sir?

He told me his name

Interviewr:All the best Purvi!

Me : Thank u sir

After a prolonged wait from 11.30 till 5.00 the results ver finally announced @ 5.15.They selected 60 students out of 146 n phew.... my name was announced n i got selected!!!!!!!!!!

It was a very nice exp. going thru d whole process. Folks I wud say data don't b disheartened by ne prev or current rejections from d co. these ppl r only looking for a good combi of lil technical skills n a good communication skills. they c d confidence n positive attitude in u. also how much u r presentable.so have a confident outlook n a cheering face.even i was rejected in technical round of TCS on prev day but dnt let such failures obstruct u.try hard to clear d written n have a good approach to giving d intervew.Good communication skills matter a lot. have a tension free mind n u can crack it. BEST OF LUCK to all aspirants....

#### CTS PAPER ON 14th JULY AT VISAKHAPATNAM

Hi This is T.S.Deepthi (M.Tech-Biotechnology), Andhra University, Visakhapatnam. We had CTS Campus Placement on 14th July 2007. Just thought will give an idea for juniors , especially to buddies from Biotechnology Department...who wants to shift to IT field....

It has totally 2 rounds: 1) Written Test 2) Interview (Both Technical and HR)

Before the written test you will be provided with a form by CTS ppl. It contains your..

Personal details,

College details,

Semester wise percentages,

Extra-curricular activities and hobbies,  
Computer languages known,  
Short term and long term plans with CTS?  
What can CTS expect from you?  
And What do you expect from CTS?

Fill the form carefully...this is an important one....CTS stresses on arrears and Semester percentages....don't worry...will not be in all cases....

Written test:

Coming to the test There were 3 sections

1. Analytical Ability(25 Q, 30 Minutes)
2. Verbal Ability(20 Q, 20 Min)
3. Attention Details(20 Q, 20 Min)

Note: No negative marking....this is a benefit for you....

Interview:

After you getting selected in written test they will give you panel number for interview. I was given 8th panel...they were totally around 13 panels..... I was interviewed by lady....i have entered the room, wished her....she asked me to take my seat...I gave her my file containing my certificates.....she gave a quick glance....and started asking questions....the lady has idea about biotechnology....so I felt more comfortable in answering to all her questions....

Technical:-

- 1) I was asked to list out the subjects I had....she made a note of it...I gave the ones which I am confident with, in the first place....but she asked me in random...
- 2) She asked what is Downstream Processing...? Why DSP? Techniques used in DSP?...answered...
- 3) What is Ion exchange chromatography? .....answered...
- 4) What is central dogma of Mol Bio? Enzymes involved in the processes? .....answered...
- 5) Replication? Enzymes involved? .....answered...
- 6) tRNA structure? Function?.....took paper from her and put the structure.....
- 7) Questions on cloning? .....answered...
- 8) Questions related in Bioinformatics? .....answered...

HR:-

- 1) Why changing the field?
- 2) Why not Phd?
- 3) Why CTS?
- 4) How many interviews I have attended so far?
- 5) Why didn't I get selected?.....answered all of them confidently....

Results were announced at 9'o clock in the night....they have selected 77 members...and I am fortunate to be one among them....Finally, selected ones were called for a meeting

by CTS....they congratulated us and cut the cake.....they gave the offer letter on the same day.....the day went very beautifully.....

Just be cool, confident.....practice sample papers....go through R.S.Agarwal.....and with God's grace and luck u will be into CTS company... Wish all your dreams come true...

#### CTS PAPER ON 14th JUNE

I am Boopathi..Valliammai Engineering College. CTS visited my campus on 14th june 2007. totally 350 students attended the test 205 were selected for interview and finally 101 candidates were selected

at 9:00A.M the placement talk

#### SECTION - I (30 mins)

5 ques on Binary nos

( if 1 is replaced by \$ and 0 by \* so how is lcm of 56,45 represented as ? )

Problem on Cubes

filling series

3 sums on maths

Statement and Assumptions

a problem on Venn Diagram

Puzzle (arrangements problems)

Try to do some Puzzles in R.S aggarwal as they will help you in cracking logic.

#### SECTION - II English (20 mins)

2 Reading Comprehension

Find the incorrect sentences

Find the correct sentences

Jumbled sentences which u have to arrange in an order

#### SECTION - III (20 mins)

Statement - Conclusion

find the decision sentence from d given sentence much like statement conclusion but u got to read n interpret instead of drawing venn diagrams

Pick the odd one out

next figure

one puzzle again

And i got in to interview..

My interview was soo interesting..i really enjoyed my interview..

me:Good Evening Mam

int:Good Evevning

int: Tell something about urselves



me: said interestingly and she got impressed  
int: looked up my hobbies and said "is writing poem is ur hobby??" can u say a small poem now?  
me: i said .. she got impressed,, bcs i said about the poem about the smoking.. and it was the poem i have written in the mid night 2:00A.M that helped me at that time  
int: good.. hope u r no a smoker.. ha ha  
int: why cts?  
me: i said i am a different thinker and i said some examples i did in my class and during my seminars  
int: what is polymorphism?  
me: said  
int: do u know any os?  
me: windows and unix  
int: what shell u r using in unix?  
me: dont know.. but i said politely  
int: its not a problem.. how u update with latest things happen ?  
me: i use to attend many symposiums and workshops.. and i said the examples i presented the papers and  
int: how u satisfy our needs..  
me: said interestingly.. my strengths.. and lot and the session was as conversation..  
and it goes on some tech qns and some HR qns..  
lot of questions on leadership and teamwork and how can i do it,, .. be as urs and come with ur own experience in life and explain it.. they will impress ur way of approach to the problem..  
and at 8:00p.m results announced. i am one of 101 selected...

its not at all matter how much u know... its all matter how much u can present.. be as urs and win the situation...

Boopathi

CTS PAPER ON 15th APRIL AT JADAVPUR UNIVERSITY

hi freshers I am very happy to say that I was selected in cts. I have been waiting for this moment for the last two years and finally i got selected.

Thanks for all the initiators of 123eng and the contributors who contributed the papers. I am very much benefitted from this site, So I am also contributing the paper for freshersworld.

Cognizant paper consists of three sections

they are 1)verbal 25 questions 20 minutes

2)analytical 25 questions 30 minutes

3)attention 20 questions 20 minutes

verbal consists of

choose the correct sentences among given sentences

choose the incorrect sentences among given sentences

(I cant remember the questions but they give mostly on articles,prepositions etc.Know Differences between affect effect like des words.)

Jumbled sentences

two reading comprehension passages(global warming really tough one n about whales and hunters this was easy)

time is the major factor .I could not have time for rc.

Analytical section:

in a class there are 150 people who speak english n 125 people who speak hindi.55 speak both languages n atleast one student speaks one language

1)-how many students speak atleast one language?(220)

2)how many people speak only one language?(165)

in a class every one will play atleast one sport viz table tennis,cricket n badminton.73 students play table tennis,79 play badminton,75 play cricket and 25 students play both tt n badminton,24 play both tt n cricket 30 play badminton n cricket n16 students play all d sports

3)how many students r der in d class(161)

4) how many students play only cricket. (37)

der is another question related to venn diagram...it is same as first one....sorry i cant remember

In a certain language \* represents 0 n \$ represents 1. Answer the following questions

5)  $389+91$  (\$\$\$\$\*\*\*\*\*)

6) lcm of (\$\*\$\*, \$\*\$\*\*\$, \$\*\$\*\$) (420)

7) avg of (10,20,21) (\$\*\*\*\$)

8) 420 (\$\*\$\*\*\$\*\*)

9)  $9+7-3*6+4-12/6$  (\*)

A is the son of B      A+B

A is the father of B      A-B

A is the brother of B      A\*B

10) P\*Q-R

a) P is the Uncle of R like this 4 options ll b given. U should choose d correct one

11) P\*Q+R

12) P+Q-R

A cube is cut into 216 parts. the 2nd 4th n 6th layers of the front face r removed n den painted black. Now answer d following questions

13) How many cubes r painted on only one side?

14) how many cubes r painted on only 2 sides?

15) how many cubes r painted on onlly 3 sides?

16) how many cubes are painted on only 4 sides?

17) how many cubes are painted 0 sides?

Data sufficiency questions

c) only condition 1 is required to solve

d) only condition 2 is required to solve

e) both are required

f) both are not sufficient

18) find whether X is odd

1)  $2 * X$  is even

$2x^2$  is odd

A) c B) d C) e D) f

19) how many seconds does a minute hand take to rotate 360 degrees

1) minute hand revolves round the clock 5 times in a minute

2) minute hand is 5 times greater than short hand

some other questions similar to d above

20) there are 4 cities A, B, C, D. There are 4 routes from A to B, 3 routes from B to C, 2 routes from C to D. In how many different ways can A go to D?

A) 12 B) 24 C) 32 D) 48

Attention Section

Choose the correct option based on the following statement

If tendulkar plays till end india will win d match

- a)tendulkar plays till end
  - b)India wins the match
  - c)Tendulkar falls cheaply
  - d)India loses d match
- A)ab B)ab n cd C)b D)d

If X travels without a ticket he will b fined 50 bucks

- a)X buys d ticket
  - b)X w2as not fined
  - c)X doesn't buy a ticket
  - d)x was fined)
- A)ab B)cd C)ab n cd D)none

Some questions like

- 1)all A's r B's
- 2)All B's r C's

then choose d correct option based on the above statements

- 1)all tables r chairs
- 2)some tables r desks
- 1)no mammals r animals

2) some animals r goats

find the odd figure out

8 people A,B,C,D,E,F,G n H,lives in 4 storyed building which contains 2 flats each.flats number 7 n 8 belongs to 4th floor from left to right.flats 3 n 4 r the second floor from d bottem n r numbered right to left.so r 5 n 6 which lies on second floor 4m top.1 n 2 r d first floors numbered left to right.A n E stays on the second floor 4m d bottom.F lies one floor above B,which is one floor above C.

three question were asked based on the given problem.

My interview is very simple

As it is a campus interview they just tested our confidence.

All des that i can remember.....

my suggestion is dat dont get disappointed if u were not selected in one interview.....try n try untill u succeed.....please don't give up at any time....only confidence is the key for success in software industry.....i am telling it with my experience...

#### CTS INTERVIEW ON 15th JUNE AT COIMBATORE

Hi Friends!!

i want to share the interview experience in CTS. first u hav aptitude test. no need for any preparations, but u need to answer all the questions in time. that is very important. In our college they shortlisted nearly 200 in apti test.

then interview was on the next day. it lasts for 15 minutes. i m an electronics and comm engineering student.

interviewer: introduce yourself

me: started from my name, then about my family background, education, hobbies n interests

intv: wat is your area of interest?

me: microprocessor 8085 and digital circuit design

int: why microprocessor is called 8 bit processor?

me: said

int: what is the difference bw accumulator and other registers?

me: said  
int: wat r the registers in 8085?  
me:said  
int: wat is stack pointer and write a program using tat  
me: wrote  
int: wat u had studied in communication engineering  
me: i said modulation and modulation techniques  
int: what is AM, FM and the difference between them and which is better?  
me: gave a clear idea about all  
int: what is VSAT and escape velocity?  
me: i said " i dont have clear idea about these thing".  
within two hours they announced the result. thank god. i got selected. BE BOLD AND CONFIDENT. its very important all the best to all who r waiting for CTS

### CTS INTERVIEW ON 15th MARCH AT DURGAPUR

hi friends , i am abhijeet sixth semester student of bcrec durgapur.  
cognizant came to our campus on 15-03-2007 since it was the first company in our college so top 10 from each department were directly allowed to sit in the interview.

Their ppt was superb, asus dvd followed with power point presentation. the hr manager of cognizant was great , his voice was like a news reader (srinivasan jain of ndtv). entire panel(there were total 18 panels 1:1 interview ratio) was very very friendly and gentle.

ppt started very early in the morning near about 7:30 am after that they gave us a HR form(see techno paper for its questions on freshersworld)

my interview started near 12.15 pm  
interviewer was very nice and friendly.  
me: may i come in sir.  
int: yes abhijeet plz come in.  
me: very good afternoon sir with a firm handshake  
int: plz have a sit abhijeet!!!!  
me: thank you sir.  
int: abhijeet plz tell me something about yourself.  
me: said.....  
int: tell me something about your family.  
favorite subject: c, industrial, process control (m from eie depts.)  
int: shall i ask u from c  
me: of course sir, i am comfortable in c  
int: what is link list  
its type, lifo, fifo,  
if we not write getch in program will it be executed  
if yes then what about its output  
types of sorting  
tell me any one of them

then again ask me to explain all (just to check my attitude, i started then he just smiled and said its ok abhijeet)

x2634 means what

me: i answered all questions, he was quite impressed.

he told me that ur firm is dept. but ur having a good knowledge of c, hwz its possible i simply said that i am fan of c and i simply love c language

int: smiled and told me: nice to meet blah blah..wait till 4 '0 clock

me: thank you too n hoping for a positive reply from ur side.

int: smiled and said see u at the seminar hall, there we will announce the result.

result: m selected (THANK GOD!!!!!!)

STATISTICS: total appeared:

aptitude test + top 66 (we have 6 deptt. and mca 10 x 6 + 6(mca)) = 297

shortlisted for interview: 91 + top 66 = 157

final selection: 78

imp points:

don't think that it is so easy, two of the panels are rejecting panels only (interviewed 20 students selected only 2 of them)

one of my friend was asked to answer 23 technical questions from core instrumentation + c etc etc. (he had a bunch of questions with him) he answered 17 of them (50 min pi) still not selected. question varies from panel to panel (class xii physics strokes theorem to cyclestealing to intel 8277 chip to smoke detectors etc etc.) you may not be asked any technical questions (specially for female candidates!!!)

another panel was core electrical (basic electrical, mathematical graphs etc. etc.)

your luck will drive you to a good/bad panel. hope for the best. but mind it each and every member of cognizant were very very friendly and gentlemen.

n also you need not to waste your money to take the print out of ur cv, its useless for cognizant. they have their own form (merit track conducts the test).

CTS PAPER ON 17th JULY

TESTPAPER: NOTE: NO NEGATIVE MARKING

There are 3 sections

I Section: 25 questions 30 min

Aptitude skills. there are some statements and based on these u have to answer 5-6 questions. There are 15 questions in total of this type. Rest of questions are individual ones. Some are easy and some are tricky.



II Section: 25 questions 20 min

2 english passages each followed by 6-7 questions.

Chose correct sentence/incorrect sentence out of following type ques.

Time is a problem in doing these questions.

Don't try to see all questions.

III Section:20 ques. 20 min

Analytical ability

some boys are girls.

Some girls are birds like questions.

find these type of ques in R.S.Agarwal(verbal)

quest on non verbal type

Choose odd one out from following fig. type questions

What should be next fig. in the sequence.

Find these quest in R.S.Agarwal(non verbal)

Don't try to go through every question. Cut off will not be very high.

Interview: Respected interviewer was very calm and gives a lot of time to you to express what's good in u,

What r ur strengths, ur achievements,projects etc.

Breamin calm,composed.

And be honest about urself.

Don't say anything about which u have little knowledge

## CTS PAPER PATTERN ON 17th MARCH AT KOCHI

Hai Friends,

I am happy to say that i am selected as one of the candidates to join Cognizant for 2008 batch. 1450 students attended the test...

The test was very simple...it consisted of 3 sections...

1) Verbal 20 questions 25 minutes This section was very easy ...just average knowledge of english is enough

2) Quantitative 25 questions 30 minutes easy section-questions from R.S.Agarwal Verbal And Non Verbal.

3) Analysis questions 25 questions 20 minutes easy section-questions from R.S.Agarwal Verbal And Non Verbal. this section requires a lot of concentration to successfully overcome the figure problems...

411 wer selected for interview scheduled on 18th march 2007

Technical/HR interview...

ME: gud mornin

HR: Good Mornin

HR: introduce ur self

ME: :Bla Bla..

HR: Diff b/w Malloc and Calloc..

ME : Said...

HR: What is Faraday's law...

ME: :Don't kno...

HR: Wats the workin or tube light..

ME: I said ....

HR: Talk abt step wave form

ME: said..

HR: Your fav subject....

ME: Data stru...

HR: why

ME: becoz its our core paper...and ultimate core programmin...contains logical storages..etc bla bla...

HR: Explain Stack and Q

ME: answed..

HR: Why CTS

ME: Bla bla...

HR: Whas ur strenght and Weakness..

ME: said...while answerin weakness make weakness a positive one...

HR:If there is any quarrel in ur team how would u handle it...

ME: said...

HR: write a program to print fibanocii series...

ME: wrote it.... to get noticed u can make ur own algorithm....in C/C++/JAVA...i did it in JAVA

HR:how do u overlook ur self in 3years..

ME: said...

My interview lasted 15mts.....after that result came after 2hours..out of 411 candidates...179 of them wer selected to be a part of CTS..I share my success with all my well wishers and freshers world for my successs in CTS in the very first attempt .....

### CTS INTERVIEW PATTERN ON 19th FEBRUARY

I was among the top 10 candidates from Information Technology so we had direct interview.....

It was joint Techical cum HR Interview

Question..

Introduce your self? I did it in 1 min...

Why did u took Engineering ( as my father n brother is doctor)?

I hav keen in interest in computer for the time i was in school.

What type of lang is C?

Procedural language Explain...

Different types of Data Structure?

Array, link list ,tree.

What is stack and queue?

LIFO and FIFO.

Tell some thing about the basic gates and Draw them ?

AND, OR and NOT

What is RAM and ROM? Random Access Memory and Read Only Memory..

Tel the differenc?

Who write in ROM? manufacture

what is hard disk and who writes on it? secondary storage device and users write on it..

What will happend if the 0 and 1 in computer are replaced by Yes and No will it work ?

No .as 0 resemble 0 Volts and 1 resemble 5 volt so the gates will not work .

I gave rowing and darts as my places of intrest they asked me about that ..be sure in what u give in ur hobbies .....

best of luck... it was easy... i am sure u will sure clear it just be confident...

### CTS PAPER ON 20th JUNE

6 - 7 colleges(don't remember) participated in this campus interview. CTS has a unique practice of calling the first few toppers for direct interview. However, since many colleges participated, CTS announced that 6 toppers from each dept. in SathyaBhama and 2 toppers from each dept. in Jeppiar and Panimalar Colleges can appear for direct interview. Anyway, I was not eligible for direct interview.

#### APTITUDE

Before starting the test, you need to fill up the following details (from which most Hr questions will be asked) in the form given.

Name and Current & Permanent address

percentage of 10,12, and each semester and also aggregate

details relating to arrears

strengths and weaknesses

extracurricular activities, interests,hobbies

expectations from cts

what skills are required to be successful in this it industry? and How can you be successful?

Section 1 (30 min): Non - Verbal Reasoning - R.S.Agarwal will suffice.

Venn Dia - some go by airplane, some go by bus and train, some go by train and airplane etc. how many travel only by airplane?...and so on... (I didn't know to answer this question)

Puzzle test - Six plays - A,B,C,D,E and F are to be staged, one on each day from Monday to Saturday. The schedule of the plays is to be in accordance with the following:

A must be staged a day before E. C must not be staged on Tuesday. B must be staged on the day following the day on which F is staged. D must be staged on Friday only and should not be immediately preceded by B. E must not be staged on the last day of the schedule. (The same problem from Agarwal was asked only with the words changed. First find the order of the six plays from Mon to Sat and then answer the questions).

Data Sufficiency questions (formula should be known to answer these questions. refer agarwal quantitative apt. for formula)

1. some question related to HCF and LCM (try to know the formula  $HCF * LCM = ?$ )
2. some question related to profit percentage,sp,cp....

To crack these questions, first check whether the first statement is sufficient to answer the question-ans:(a). if not check whether the second statement is sufficient to answer the question-ans:(b). if not check whether both the statements are required to answer the question-ans:(c). if not neither statement can answer the question-ans:(d)

If the unit digit of  $x^2$  is 9 and that of  $(x+1)^2$  is 4, then the unit digit of  $(x+2)^2$  is?

ANS: 1 ( $7^2 = 49$ ,  $8^2 = 64$ ,  $9^2 = 81$ )

If 1 is replaced by \$ and 0 is replaced by \*what's the value for 144,  $171+128$ ,  $4/2*3-2/2$ , ....

For this type of question don't follow the instructions given. you'll be confused. whatever question they may give, first find the final answer. for eg:  $171+128=299$ . then convert the decimal to binary. finally replace 1's with \$ and 0's with \*

Cube problem: in a black cube consisting of 27 small cubes( $3*3*3$  cube), the corner cubes are removed and then coloured red. find the difference between the no. of blocks coloured red and those coloured black originally only on 3 faces....and 4 similar type questions.

a problem with marbles. I didn't know to do it.

Section 2 (20 min): Verbal ability

2 Reading Comprehension, finding the correct and incorrect sentences, jumbled sentences do the reading comp. atleast. (verbal was difficult and I could not read even one rc for there was no time. so I marked all the answers as (d) as there was no negative marking)

Section 3 (20 min): Logical reasoning

Statements and Conclusions(which is in logical deduction chapter of r.s. agarwal)

odd one out from pictures

pictures - series completion

logical result

seating arrangement from puzzle test - 8 people are seated in a counter-clockwise rotating rectangular table. some places are seen by them while the table is rotating. find the seating arrangement.

I was one of the selected candidates for the Technical-HR (combined) interview, the next day.

INTERVIEW:

-----goodmorning sir

goodmorning, take your seat.

family background(told)

about my hometown (he asked the expansion of my town. I was able to answer it only half)

speciality about my hometown(told)

what is linked list?(told the definition)

What address will be stored in the link part of the first element of the linked list?(address of the next element.

what address will be stored in the link part of the last element of the linked list?(null pointer)

what about circular linked list?(address of the first element )

application of circular linked list(was not able to answer...I told 'I couldn't remember now)

what is the difference between router and switch(told although I didn't mention networks as my area of interest).

(gave a paper)draw the OSI layers(wrote the 7 layers)

what's the difference between hub and switch?(after thinking a while, I told 'I don't know')

asked about my project and paper presentations. (told 'I haven't done any' he was disappointed and asked why. I didn't answer. he told, 'you must go beyond your academics')

Do you watch movies?(told 'No')

Why?(told 'not interested')

You live in a remote place and cts being in the city(Navallur), how will you come?

---- in bus

but that will take long - nearly 3 hrs.

-----that's not a problem, sir

the next 3 questions were on my travel itself

I clearly told him, 'I have no problem with bus travel. In fact I like journey especially in bus'

why did you choose this college?

----top in the ranklist & well known for discipline

how can you use your ece in cts?

-----first 2 years, i would work as a trainee and then shift to the track of

telecommunication(one of the verticals in cts is telecommunication- I answered like this because I thought I should be specific in my future career)

what if you're not given this track by the company?

-----but sir, in the preplacement talk, it was assured that the track that we wish will be provided

ok, but still if you're not given?

----(as he insisted i told) i can take any other track as i can cope up with any subject.

do you have any questions?

-----yes sir, what is that you like and you don't like the most in your trainees?

I don't like static mind--for eg; in your case you told you would go to telecommunication. you should not restrict yourself to that. as opportunities from various directions, try to grab it. ----nodded my head with a smile(i later thought I will be rejected by this answer )

I like fresh mind--people asking questions. I am also a trainer. I need to teach my trainees right from switching on a computer. but after 2 years they sit along with me to do project. and that's really a great honour to me.

-----thank you sir

thank you

some were asked only about the family background and some were asked only technical questions from each subject of the six semesters including environmental science, ethics, control systems,.....no use of mentioning areas of interest. try to brush up all the basic concepts.

i got selected. if God wants you to keep you in cts to glorify Him, you'll be placed even if you don't answer well. otherwise you'll be placed somewhere else where you can shine (more) well for Him! so don't worry at all ! keep trying! only failure to try is failure and failing itself is not a failure!

CTS PAPER ON 20th JUNE AT JNTU

This is A.SRIKANTH (D.S.C.E Branch) and J.Santhosh (D.E.C.S Branch) JNTU CEA  
June 20th CTS Paper in J.N.T.U. Anantapur

The Question Paper Contains 70 Questions and time allotted is 75 Minutes (Sets will be given , but all of them contain Same Questions)

There are 3 Sections

1)Analytical Section	25Questions	30 Minutes
2)Verbal Section	25Questions	25Minutes
3)Logical Section	20Questions	25Minutes

Analytical Section

Section I

1)A cube problem is given related to it 5 Questions were given the Question is like  
A red cube is cut into 1728 small cubes from one face of the cube , from the diagonal corners,the middle cubes are removed and the cube is then painted black

The Questions are like

1)what is the difference b/w the cubes painted three sides red & cubes painted three sides black

a)0                      b)4                      c)6                      d)8

2)How many cubes r there with 3 Sides painted black

a)2                      b)4                      c)6                      d)8

Number of cubes painted atleast 2 sides black similarly 2 Questions based on this cube problem

Section II

1 is represented as \$

0 is represented as \*

1)361/19 can be represented as

Ans::361/19=19 so it is represented as \$\*\*\$\$

2)2+9/11\*2 can be represented as

Ans::40/11==\$\*\$\*\*/\$\*\$\$

3)LCM of (3,5,11)+13

Ans::\$\*\$\*\*\$\*

4)Average of four numbers is given and that should be represented as  
Similarly one more Q is given

Section III

1)From Venn Diagram it is like

Restaurant table design problem  
6 out of 200 are chosen by all designers  
11 members have no preferences  
6 are chosen only round and rectangular table  
6 are chosen only square and rectangular table  
7 are chosen only round and square table  
64 are chosen round tables  
5 Questions are given related to it

- 1) No. of members who selected only round
- 2) No. of members who selected only square
- 3) No. of members who selected only rectangular
- 4)
- 5)

#### Section IV

2 Questions are given from analytical reasoning ,under each one 5 Questions are given  
VERBAL Section  
2 Paragraphs under each one 5 Questions are given  
Closing Correct from the given choices – 5 Questions  
Incorrect Sentences from the given choices – 5 Questions  
Order of the sentences to make paragraphs – 5 Questions

#### LOGICAL Section

From each one mentioned below 5 questions were asked

- I Chose odd man out related to figures
  - II Data Sufficiency
  - III Logical Deduction (Syllogism)
  - IV Implied and double implied sentences
- Implied and double implied sentences question is like

I will take poison if I want to die

- 1) I don't take poison
  - 2) I don't want to die
  - 3) I will take poison
  - 4) I want to die
- a)1;2          b)2,1          c)2,3          d)1,4

Answer is B

#### Interview

HE asked me about my project , why u have chosen this project , and its explanation  
What is u r favorite subject I said mine is Digital Electronics  
So, he asked me about fidelity in digital systems and why it will occur and what should we do to remove it  
He asked me, how to convert an analog system into digital system  
HE also asked me about my weakness  
I got my eamcet rank more he asked me y u got more rank (mine ans was related to weakness that I have told him)



We both were selected in CTS

What we need in interview which I was observed is Explanation by Body Movement and Confidence that I will get this job he may depress and

tell u will not get job but even then u don't loose Confidence he will try to depress in many ways but u should overcome it to get success.

For some students he asked about Operation of microwave oven

To draw a circuit for traffic signal generator and To draw a circuit for : if two aeroplanes are passing side by side draw a circuit by which the person sitting in one plane cannot here the sound of another plane About FFT , ASK , PSK and FSK

In C he concentrated on

Structures

Pointers

Linked List

Sorting and Searching Techniques

Programs using Recursive functions ex: Fibonacci, factorial

CTS PAPER ON 20th JUNE AT TAMILNADU

hi freshers, This is Ahamed Jubair. I am very happy to say that I was selected in cts .I have been waiting for this moment n finally i got selected.

Thanks for all the initiators of freshersworld and the contributors who contributed the papers. I am very much benifitted from this site, So I am also contributing the paper for freshersworld.

Cognizant paper consists of three sections

they are 1)verbal 25 questions 20 minutes

2)analytical 25 questions 30 minutes

3)attention 20 questions 20 minutes

verbal consists of

1.choose the correct sentences among given sentences

2.choose the incorrect sentences among given sentences

3.Jumbled sentences

4.two reading comprehension passages.

time is the major factor .I could not have time for rc.

Analytical section:

This section consist of the following question.

- 1.problem on cube. (Actually we were asked 10 cube questions. Tat was really helped me to clear the section.)
- 2.Venn diagram(5 ques)
- 3.Data sufficiency problems.

For all the above questions please refer R.S.Agarwal verbal and nonverbal book.Tat is more than sufficient.

Attention Section

In this section most of the problems were asked from odd man out figure and wat comes next in the series and also concentrate on statement – conclusion .

This section was some wat easy. Any way time is the factor.For this also refer r.s.agarwal verbal non verbal.

339 students were short listed from written test .from that 221 students were selected.

There was no written test for top 10 students from each department.

My interview was full and full technical.

One important think is those who put operating Systems as ur area of interest be strong in Linux and shell commands. Because I was asked to write more shell commands.

Then he asked my mark sheets and select one subject from each semester and asked questions from that. My interview lasted for nearly 20 mins. Results were announced at 8.30 pm on June 20. I was one among them. I am so happy now.

But in some panel there was no technical interview, fully HR questions, that depends upon on the panel member. But most of the panel member tested the technical area.

As it is a campus interview they just tested our confidence. Eye contact is the very important thing. Please maintain eye contact throughout the interview.

My suggestion is that don't get disappointed if you were not selected in one interview.....try and try until you succeed.....please don't give up at any time....only confidence is the key for success in software industry.....all the best freshers.

#### CTS INTERVIEW ON 20th MARCH AT AHMEDABAD

Hi friends!!!! How are you???? Feeling tense due to placement preparation?? I'm trying to give you some hint about PI of Cogni and help you to get in. Company has come in our college at 19th March in evening. On that day first at 4:30 there was a ppt of company. After 1 hour written test started. Agg. 60% were with all previous ATKT cleared students were eligible. Almost 300 students have given written test. From that 112 students were selected for 4 PI. It was on next day morning.

In PI there were 7 panels for interview having 1 or 2 members in each. My PI was early at 10:30am. I was very nervous at that time as I was facing any PI first time.

Me: May I come in sir?

Int: (With gentle smile) Yes, please come, take your seat.

Interviewer was very young with charming personality. After his response my all fear ran away in 1 second.

Me: Thank you sir.

Int: Describe yourself..

Me: (I describe, with my name, family background, school life, achievements) in 2 mins.

Int: What is your career objective?

Me: To be a software project manager.

Int: What is your passion?

Me: To be a famous personality and get the name in Forbes.

Int: (With smile) So what are you expecting from our company to fulfill your passion?

Me: (With little shock and puzzle) As a platform provider.

Int: What are your short term & long term goals?

Me: (Short term) To get d job in ur company,(Long term) to b stabilized in company and get some good projects through which I can give my contribution in development of company.

Int: What is ur hobbies?

Me: Described.

Then he asked about 25 min only on my different hobbies. He was satisfied with my answers and confidence during discussion about hobbies. Then he turn to technical.

Int: Tell me some recent inventions of softwares related to human being.

Me: (Described about Artificial Intelligence).

Int: What is difference between C,C++ and Java.

Me:(I described in two lines just related to OOP)

As my interview was very long he stopped there. He offer me to ask questions to him from my side. I caught it and asked some very good questions related to management of company. He was really very impressed from my questions and advised me to do MBA.

My interview was lasted for 45 mins and that was really scared 4 me. In d evening at 6:00 result was declared. There were 41 students selected and I was among them. I was so much exited that I cant xpress it in words.

SOME ADVICE IN PI: Never make bluff with HR. They r really very intelligent persons. B Honest. Show him just only what u r. B calm during interview. Give answers patiently and wait 4 two second b4 giving ans. Make ur conversation in friendly manner. Ur resume is most important. Write in ur resume all d things very carefully. They will ask all d quastion on ur hobbies and strengths which r written in ur resume. And b cool yaar.....

Hope we will meet in CTS.

CTS PAPER ON 20th MARCH

hello friends.....

first i had apti

Actually verbal was tough, time was very limited.

Second section was easy, normal apti ques, venn dia, cube prob...

Last section analytical reasoning....

CTS they are looking for logical ability, test paper is set accordingly.... Since there are no negative marks, attempt all questions.....

Just have a look at last year ques paper, nothing to study in particular...

Test was for 70 marks.....

Then I had my tech and hr combined

1. He asked me about leadership qualities
2. tell me about yourself
3. area of interest I said OOPS
4. diff between C and C++
5. security in C++
6. swap two nos withot using temp variabl
7. access specifiers
8. diff between private and protected
9. overloading, overriding
10. pointers
11. write a query to extract only the duplicate records from a table
12. what is DDL, DML
13. truncate, drop diif
14. view table
15. what is universal gate
16. what is a flip flop
19. what do u know about CTS
20. Any ques?

## CTS PAPER ON 21st FEBRUARY

I appeared on 21st feb in cts on 20th i appeared in wipro but i eliminated in the last round .in wipro in apti ques one option was highlighted in each question.In cts paper was normal.there are three section in placement

- 1.Apti
- 2.Technical interview
- 3.HR interview

in aptitude there are three section

- a--find incorrect sentences.
- b--find correct sentences.
- c--arrange jumbled sentences.
- d--two passages.

- 1.venndiagram.
- 2.coded relation.
- 3.data sufficiency.
- 4.decimal to binary based question(\$ is assign 1,\* is assign 0).
- 5.on cube based(find the no of one ,two ,three-----coloured face).

- 1-odd one out.
- 2-pick out next figure.
- 3-logical detection(some books are pen, some pens are paper)in this based.
- 4-from puzzle.

My interview was of 30 minutes. technical & hr both were combined. they asked to tell me ur favorite five subjects.

I given microprocessor,digital,c,ds,basic electronics. then they asked three question on each subject.

some questions are below which i remember

- 1.what is signal controller( microprocessor 8085)
- 2-given if else program to convert in switch case.(c)
- 3-what is macro,
- 4-diff between malloc & calloc.
- 5-what is flip-flop
- 6-convert XNOR from AND & NOT.
- 7 what is complete binary tree.
- 8-what is circular linkedlist.
- 9-sorting.
- 10-draw full wave rectifier(some question related to transformer use in rectifier & diode).

CTS PAPER ON 21st JANUARY AT SECUNDERABAD

ST.PATRICKS HIGH SCHOOL ,

JANUARY 21st, 2007

RAJINI.J (E.C.E)

QUESTIONS NEED TO BE PREPARED WELL IN ADVANCE

Please prepare for these questions effectively as these need to be compulsorily filled in the forms:

1. Software Orientation:
2. Hobbies and extra-curricular activities
3. Strengths and Weakness
4. Expectation from CTS
5. Why CTS
6. Long term and short term goal with CTS
7. What are the qualities necessary for software professional to be successful.

Please note your graduation and post graduation marks semester wise.

SECTION-I

VERBAL ABILITY (20 MINS-25 QUESTIONS)

1. Two comprehension passages (-5 Questions each) (Don't go for it at the beginning itself. attempt it once you have answered the remaining ones.)
2. Find out the incorrect sentence-(5 questions)
3. Arrange according to sequential order (5 questions)
4. Find out the correct sentence-(5 questions)

SECTION-II

QUANTITATIVE (30MINS-25 QUESTIONS):

5 on Venn Diagrams

5 on Aptitude questions on percentages work.

5 on Data Sufficiency problems

5 on Binary Numbers conversion

5 on Cubes

Venn diagrams :( questions 1-5)

1. Out of 50 men in a town, 30 are Lions club members, 10 are Lions members as well as Rotary club members. There are 3 who do not belong either. Then how many Rotary club members are there?

(a) 15      (b) 18      (c) 20      (d) 25

2. Total of 100 people work in an organization. Of which 63 work in office, 57 work in factory and there are none who work outside. Then how many of them work in both?

(a) 10      (b) 25      (c) 18      (d) 20

3. Repeat the question no 2.how many of them work only in office?

(a) 43      (b) 40      (c) 52      (d) 45



4. In a college one day 120 students came to canteen. on that day 50 drank Tea,60 drank Coffee ,45 drank Cool drinks, 20 drank both Tea &Coffee, 15 drank both Coffee& Cool drink ,none drank both ,none drank all the three.

How many drank only tea?

- (a) 42      (b) 30      (c) 22      (d) 32

5. Repeat the question no 4.how many of them drink at least two?

- (a) 40      (b) 30      (c) 25      (d) 35

Aptitude questions (6-10)

6. A train for Luck now leaves for every  $2\frac{1}{2}$ hrs from Delhi station. An announcement was made that train left 40mins ago and next train comes at 18:00hrs.At what time was the announcement made?

- (a) 17:00hrs   (b) 16:30hrs   (c) 17:25hrs   (d) 16:10hrs

7. A merchant purchased 20 dozens of pencils at rate of 375 Rs per dozen. Then he sold each one at 33Rs.what is his % profit?

- (a) 4.5      (b) 6.2      (c) 5.6      (d) 3.5

8. Value of vehicle at end of each year depreciates at the rate of  $\frac{3}{5}$ th of value at the beginning. If Initial value is 10,000Rs then at the end of three years its value is?

- (a) 2600      (b) 2160      (c) 2100      (d) 2400

9. I don't remember this question

10. 500 people came to exhibition. Entry fee was 3Rs each. A draw was held on tickets and announced 1st prize of 300Rs/- and 3 second prizes of 100Rs/- each. How much gain was raised with the draw?

Data Sufficiency problems (Questions 11-15)

Direction) each questions given has a problem and two statements numbered I and II given certain information. You have to decide if the information given in the statement is sufficient for answering the problem. Indicate your answer as

- (I) if the data in statement I along are sufficient to answer the questions;
- (II) If the data in statement II along are sufficient to answer the questions;
- (III) If both statements are required.
- (IV) If the data in both the statement together are not sufficient to answer the questions.

11. Is square of number an integer?

(i) Number=6

(ii) Number=11/12

- (a) I      (b) II      (c) III      (d) IV

12. Area of rectangle PQRS?

(i)  $PQ=RS=10$

(ii)  $PR=QS=10^{\wedge}0.5$

- (a) I      (b) II      (c) III      (d) IV

13. The number of persons entered into hall after 8:00PM

(i) if rate is 2 persons per min after 8:00PM

(ii) If rate is 4 persons per two mins after 8:00PM

- (a) I      (b) II      (c) III      (d) IV

14. If 3 friends A, B, C can complete work in 36 days then in how many days can B complete?

(i) if A&B together complete in 18 days

(ii) if B&C together complete in 24 days

- (a) I      (b) II      (c) III      (d) IV

15. I exactly don't remember it

Binary Numbers conversion (Questions 16-20)

(Directions) In a certain code, the symbol for 0 (zero) is \* And that for 1 is \$. The numbers greater than 1 are to be written only by using the two symbols given above. The value of the symbol for 1 doubles itself every time it shifts one place to the left.

16. Lcm (\*\$, \$\$\$, \$\*\*\$\*)

17.  $(9-2*3*5+6*4+2*3)$

18. Average (70,170,270)

19.  $(**$)$ - (**$)*$$

20. Represent 343

Problems on Cubes (questions 20-25)

There are two cubes (A, B). Each of it is cut into 64 pieces .From the front face of cube A cubes on both the diagonal are removed. Same is repeated to cube B. Now cube A is placed over cube B to form a rectangular cuboid and painted black.

21. The number of cubes that are not painted black?

(a) 32    (b) 36    (c)    (d) 48

22. The number of cubes that are one side painted black?

(a) 32    (b) 36    (c)    (d) 48

23. The number of cubes that are two sides painted black?

(a) 32    (b) 36    (c)    (d) 48

24. The number of cubes that are three sides painted black?

- (a) 32    (b) 36    (c)    (d) 48

25. The number of cubes that are one side painted black?

- (a) 32    (b) 36    (c)    (d) 48  
SECTION-III

Analytical (20 mins 20 questions)

1-7 questions: pick the odd one out

8-10 questions: pick the next sequence

11-12 questions: on logical sense (I mean you have to choose the options that logically follow the statements made)

11. I eat whenever am in the hotel

(i) I am in hotel

(ii) I eat

(iii) I don't eat

(iv) I am not in hotel.

- (a) ii, i    (b) iii, iv    (c) i, ii    (d) iv, iii

12. Either I study or watch T.V

(i) I study

(ii) I watch T.V

(iii) I don't study

(iv) I don't watch T.V

- (a) iii, i    (b) iii, i    (c) iv, ii    (d) iv, ii

13-17 questions: on logical deductions

13. All intelligent are merit holders.

Some merit holders are poor

14. All mosquitoes are ants

Some ants are mammals

15. Some graduates are MBA holders.

Some graduates who are not MBA holders are unemployed

16.-17 i dont remember them

Practice these from RS Agarwals Verbal & Nonverbal Reasoning

18-20 questions: on simple puzzle

In a city there is a building of 4 storey height. there are 8 friends A,B,C,D,E,F,G,H who live in that building with 2 flats on each floor . Flats on ground floor are numbered 5, 6 from left end to right. Flats on first floor are numbered 3, 4 from right end to left. Flats on second floor are numbered 1, 2 from left side to right. Flats on third floor are numbered 7, 8 from right side to left.

Now A lives in flat 4.

B lives in the top floor along with D and two storeys above Flat of F.

C lives in flat 5.

H&E lives in the same floor.

18. What is flat number of B?

- (a) 3    (b) 1    (c) 7    (d) 6

19. What is correct order?

- (a) 3 -A    (b) 1-D    (c) 7 -E    (d) 6-F

20. What if D&F, C&E exchange there flats then who stays below C?

- (a) A    (b) D    (c) F    (d) G

RESULTS DECLARED ON 23rd JAN.

INTERVIEW was ON 25TH JAN. At venenburg IT park Hi-tech city,hyd at 3.00pm

I was made to wait till 4:45pm

There were nearly 10-12 panels. Interview was conducted in an open hall. Actually the person who interviewed me was just 100ft away from me and I was in the front row and I was not aware that he was observing me. At last I was called. I went up to the interviewer. He was busy scrutinizing previous candidates papers. I waited there till I was asked to sit. I wished him. Immediately he wished me with a smile.

the interview started.....

INT: He introduced himself and told about his position in cts.

INT:. Tell me about ur self which is not mentioned in this sheet.

ME: I have started with my extra-circular activities in my college and school. I mentioned about my winning 2ndprize in osmania univ for paper presentation.

INT: Oh good. can u tell me something about it.

ME: Explained it within 6 mins.

INT: ok. do u have any other achievements??

ME: told I was sent as representative on behalf of our school for exhibiting model in inter school science-fair competition.

INT: He gave me a paper to explain it.

ME: explained it.....

INT: Tell me about ur family background.

ME :told him and was asked some questions regarding my father and grand father.

INT: ok good. Lets go into Technical part. Apart from the software orientations skills that u have mentioned what is your favorite subject?

ME:DIGITAL ELECTRONICS

INT: so what is digital electronics??

INT: Then what is difference between ur ordinary electronics and digital electronics?

INT: what is difference between analog and digital systems??

INT: which one is more advantageous??

INT: why digital info is more secured when compared to analog one??

ME:I answered all the above questions.

INT: ok. Then what is ur next favorite subject?

ME: COMMUNICATIONS SYSTEM

INT: why do we need communication??

INT: what are the different modes of communications??

INT: Do u know about radio broadcasting??

INT: what is difference between AM, FM??

ME:I answered all the above questions.

INT: ok. Now let's take a break. I will give u a small puzzle. it was on probability. He said the approach was right but the answer was wrong.

INT: Again he gave me another puzzle on some cake. I was able to answer this correctly. He looked into the sheet and asked how creativity was a strength.

ME:A creative person has good imagination power. Whatever he does he can imagine it beforehand and go for the better and pleasing one. Just like what a painter does. He can always be a part of solution but not part of problem.

INT: so are you accompanied by any of your friends?/

ME: no sir.

INT: then it was just after coming here that u made a friend.(the interviewer observed me talking to my neighbors.)

ME: Yes sir.

INT: so u makes friends easily. Good.

INT: now suppose that u have been offered job in infosys ,satyam,wipro,cts.then which one would u prefer?

ME: Definitely cts .told that cts was one of my dream company, abt working environment, some of my frnds and seniors experiences. and about bond.

INT: but still someone offers u a better pay than cts then??

ME:: no sir.still i go for cts.actually I' got selected in satyam. i was given joining date on feb23rd.If at all I was about to work for money then I would have joined in satyam itself without a second thought. but still I was eager and full of excitement to attend this interview. I really doesn't want to miss this opportunity.

INT: o.k. we have some of the branches in pune , coimbatore also. so are u ready to work there?

ME: yes sir am ready to work anywhere in the world.

INT: : Ok rajini all the best you can just see the final result in our website.

Me: Thank you sir.i thank cts for giving me this opportunity.it was a pleasant interview with u sir.

The recruitment procedure was very cool and the interviewer was very friendly. So don't panic. And dont loose ur confidence and always have a good eye contact. Dress up formally. It is good to carry your CV along with ur certificates. Be clear, simple and breif



First of all manage your time well and don't neglect any of the sections. Each section has its own cutoff. So be careful  
So friends be confident.

All the best for your Future endeavors in getting placed in a good company.

CTS PAPER ON 21st JUNE

Name: subash  
college: panimalar engg college, chennai.  
company attend: CTS

Hai, friends first of all i thank to freshersworld web site.

CTS PATTEN:  
ONLY TWO ROUND

- 1) Written test
- 2) Technical & HR (combine)

our interview on 21st june. number of student attend 2220. number of student clear 1st round 1350. finally 700 student (not exactly) .

1st round:  
only non verbal : there are 3 section each section 20 min time.  
1st section:

jumbled sentences.  
choose the correct sentence.  
choose the incorrect sentences  
2nd section:

a b c d e f are travelling in train , bus , car or ab travell in train & cd are travell in bus & ef travell only in car. (i am not remeber full que like this they ask)

- 1) how many person travell in train ?
- 2) how many person travell in bus ?
- 3) how many person travell only in train ? (like this they ask 5 que)

3rd section:  
pick the odd man ( 4 different drawing are given have to choose irrevelent one)  
Eg: 2 6 5 18  
odd man is : 5  
que based on sitting arrengement (5 que r ask)

2nd round:  
it is easy when u r strong in technical & communication. (be cool....)

## CTS PAPER ON 21st JUNE

hi these were d interview ques which i was asked by CTS...

### TECHNICAL

explain ur project

Do u kno Database

what is normalisation

what r d types n explain each

give examples for each type..

what is a priamary key

what is a foriegn key

what is a composite key

what is d difference between unique key n priamry key

what r constraints

write a query to include a constraint while creating a table to check whether the employee salary is greater than 5000

what is ASP.NET

what is Global.ascx

how hav u used user control

what r d various functions in Global.ascx

what is the use of session fuction

what is the difference between VBscript and Javascript

what is the difference between ASP.NET and Javascript

what do u feel about Debugging

write a program in c to find the greatest of three numbers..

HR

Tell me abt urself

what r ur interests

what is happening in chennai

what is happening in India

what is currently happening in IT field

why do u say smart work is better than hard work

where do u want to work(place)

how do u say that u would get accomodated to any place

which technology do u want to work

Result was announced the next day

## CTS PAPER ON 25th JUNE AT HYDERABAD

Thanks for all the initiators of freshersworld and the contributors who contributed the papers. I am very much benefitted from this site, So I am also contributing the paper for freshersworld.

Cognizant paper consists of three sections

Paper Type : General

Test Date : 25 JUNE 2007

Test Location : SREE NIDHI INSTI OF SCIENCE & TECH, HYDERABAD

Posted By : SREEKANTH

FOR US WRITTEN WAS ON 25 JUNE & INTERVIEW ON 9 JULY. IT WAS SAID THAT WRITTEN MARKS WILL BE CONSIDERED IN FINAL SELECTION

TOTAL APPEARED == 360 (APP)

SELECTED IN WRITTEN == 240

IN INTERVIEW == 124

MOST IMP. THING IS THEY GIVE A FORM TO FILL UR DETAILS ITS LIKE RESUME FOR THEM AND THIS FORMS WILL BE HAVING WITH THE INTERVIEWER WHILE TAKING INTERVIEW  
QUESTIONS NEED TO BE PREPARED WELL IN ADVANCE

Please prepare for these questions effectively as these need to be compulsorily filled in the forms:

1. Software Orientation:
2. Hobbies and extra-curricular activities
3. Strengths and Weakness
4. Expectation from CTS
5. Why CTS
6. Long term and short term goal with CTS
7. What are the qualities necessary for software professional to be successful.

There was no -ve marking & NO SECTIONAL CUTOFF

There are 1) verbal 25 questions 20 minutes

2) analytical 25 questions 30 minutes

3) attention 20 questions 20 minutes

There was no -ve marking & NO SECTIONAL CUTOFF

verbal consists of

SECTION - I English (20 mins) ( This is the difficult compared to the other sections, its difficult to all. NO NEED TO WORRY )

- 2 Reading Comprehension (very "big" ones & u dont understand this )

- Find the incorrect sentences

- Find the correct sentences

- Jumbled sentences which u have to arrange in an order (better start from this)

choose the correct sentences among given sentences

choose the incorrect sentences among given sentences

(4 sentence are given A,B,C,D.we need to find out which sentences(s) are correct and incorrect .Read the question carefully whether need to find correct r incorrect I dont remember the questions but they give mostly on articles,prepositions etc.Know Differences between affect effect like des words.)

SECTION - II (30 mins)

-5 ques on Binary nos

( if 1 is replaced by \$ and 0 by \* so how is lcm of 56,45 represented as ? )

-Problem on Cubes

-3 sums on maths(DATA SUFFI.)

-Statement and Assumptions

-a problem on Venn Diagram(EASY ONES)( 5 SEPERATE QUEST )

-Puzzle (arrangements problems)

SECTION - III (20 mins)

-Statement - Conclusion (SYLLOGIMS) 4 TO 5 (AND OTHER TYPE LIKE IF .....THEN

-Pick the odd one out 9 TO 10 OF THIS TYPE DO R.S.AGARWAL

INTERVIEW ON 9 JULY

THERE WERE ALMOST 15 PANELS(SOME R TECHNICAL,HR.U MAY BE HAVING ANY ONE OF THE TWO .....LUCK MATTERS HERE

it was one to one interview

MY INTERVIEW WAS MOST LIKE A HR ONE

INTER: OK SREEKANTH TELL ME ABOUT UR SELF???????

ME : TOLD (prepare for atleast 2 min talk includ ur hobbies) IN BETWEEN interrupted twice to know my surname. remember wht u ae written in the FORM,it will be with him

INTER :WHO HAV EU WRITTEN UR WRITEN EXAM???

ME :GOOD SIR(I GOT 42 MARKS .....I THINK 35 WAS THE CUT OFF)

INTER :(AGAIN)WHT R UR HOBBIES?????

ME : Told the same(I kept listening to music ,reading news papers,....)

inter :wht kind of music do u like

me :told

inter :wht r the other kinds of music???????

me :explained th others kinds &difference (like Rock,pop,Rap....)

Inter :who r u fav. musicians&& albums ??

me : told..

Inter :wht is ur fav. subjects???

me :I told analog commm.

inter :wht is diff bw analog &digital commm.

me : explained

Inter :whtt is mean by parity?? why is it used

me : explained the whole

inter :gave one diagram & asked to find the area???

Me : me done tht with many wrong assumptions(But got correct ans)

Inter :wht r the assump u have made ??explain me the procedure??

ME :told the wrong assumP. only  
Inter :gave one puzzle(easy one .....)  
ME :explained  
inter :tell about family background?  
Me :told  
Inter :wht is ur goal in ur life??  
ME :i told the short term goal ...Proj. manager(he asked me several questions after i said proj. manag in order to put me in confusion,i was caught and i was silent for some time but again covered with some answer  
Inter :wht are ur last semister subjects???  
Me ; told only 3( while recollecting he asked one more quest)  
Inter :are u ready to work any where in india?  
Me : told (tell some reasons.....)  
Inter :who is the RBI governor,vice presi,speaker????  
ME : told all  
Inter :ok sreekanth nice taking to u all the best( he gave a hand shake...give with smile)After a prolonged wait from 11.30 till 5.00 the results ver finally announced @ 5.15.They selected 124 students out of 250n phew.... my name was announced n i got selected!!!!!!!!!!

It was a very nice exp. going thru d whole process. Folks I wud say data don't b disheartened by ne prev or current rejections from d co. these ppl r only looking for a good combi of lil technical skills n a good communication skills. they c d confidence n positive attitude in u. also how much u r presentable.so have a confident outlook n a cheering face

#### CTS PAPER ON 29th JUNE AT PUNE

Hi friends..

Cognizant Tech. Solution came to our college on 29th June,2007.My branch is Computer. The criteria was 55%+ with one live back allowed.

#### APTITUDE

The day started with the aptitude test which was a bit tough(as compared to TSC and Infosys..i know cause i've appeared in both). The only suggestion i'll like to give is to attempt what you are good at first. e.g. In the maths section attempt only those questions first that seem to be easy to you at the first glance. Second section was English, where the only suggestion is to skip the passages first...jump to the correct the sentences, jumbled sentences..etc first. They are relatively easier and will take less time. For solving the jumbled sentences there is one simple trick.....  
e.g. if there are 4 sentences..viz A,B,C and D.

and the options are suppose ABDC,BDCA,BADC etc..now look at the options first...here we see that one one case A is 1st n in other B is 1st..so try forming a sentence with A..but if A starts with something like ..."but they went there inspite of me warning them.."..then

u can easily make out that this cant be the 1st line of any paragraph..so eliminate that option and every option starting with A. Continue doing so with other options too....this is elimination technique which works fi9..and i guess this is what is expected.

The final section which consists of "Attention to small details"..this is comparatively an easy section where u just need to concentrate on the figures given. Like pick the odd one out...whats the next figure after this...etc. Easy..most ppl will crack this section easily.

Out of 300 odd students who appeared for the aptitude..CTS selected 109 for the interview round. I was one of them!!!

### INTERVIEW

There were 8 panels each consisting of only one person.(one is enough to grill you ..lolz!!!) The panels were asking people everything starting from easy C programs to macroprocessors etc.For computer students I would suggest reading

\*\*\* The basics of C/C++----(diff betn C&C++, C++&Java etc...properties of OOPL etc)

\*\*\* Programs like---(fibonnaci series,swap two numbers,print all prime nos from 1 to 100,palindrome,print a string in reverse etc)

\*\*\* Basics of system programming---(diff betn compiler&interpreter,Preprocessors,page replacement algos and other algorithms etc)

\*\*\* Basics of DBMS----(normalization techniques e.g 1NF,2NF,BCNF is ok...primary key,foreign key etc..and refresh some basic SQL queries...specially see the nested SQL queries)

\*\*\*Study Java(only if u've mentioned that in your resume...otherwise dont waste time studying Java..just study basics like applets,threads etc.)

### MY INTERVIEW

When i came the interviewer asked me to take a seat. He was very cool...he made me feel at home..and all my tensions ended(beats me how!!)

Panel(P): How r u feeling?

Me(M): Am feeling fine sir...

P: So,tell me something abt yourself.

M: Blah blah....etc started off with my family(very short..keep in mind ..he is asking abt u..not ur family background)...then told him how i was very interested in computers from my childhood days etc..said my father n sister is also an engineer..etc.

P: So you are from Guwahati(am from Assam)

M: yes sir.

P: How wud you compare Guwahati with Pune?

M:Sir, earlier I had this perception that Guwahati..which is my hometown has the worst roads in this country...but after coming to pune i realized that i am wrong...its pune who has the worst in India!!(He had a good laugh at this witty answer). Otherwise the people out here are warm n affectionate. Guwahati neing my hometown..will always have a special place in my heart.

P: So u ve been in pune in for the last 3 years...u must ve learnt Marathi?

M: Yes sir, I can make out wht people are speaking, I can speak a also but not am not so good at it...i'm still learning.

P: So tell me something in Marathi.

M: "mala marathi ayaat nai"..(it means i dont know marathi)!!

P:(laughs)...good answer...and good line to learn too!!

M:(smile) exactly sir..

P: Then he asked some technical questions...(all the questions which was asked to me and my friends are listed above..)

ends.

At the end of the day they announced that 31 are selected out of 109. We all waited with fingers crossed...and when my name was called I was thrilled!!!

In a nutshell, I would like to say that...crack the aptitude(thats the main hurdle)...after you're through with it...just be confident and be yourself. And the biggest tip i can give..and what i've learnt is that dont ever mug up cliche answers..just try out some usually asked questions but never mug up lines and words like "hard working", "team worker" etc. They are professionals..they can easily make out that you are not true to yourself. Be cool and answers will come out automatically.

If you have good communication skills and basic technical knowledge(basics shud be very clear)..then u'll definitely be selected.

All the best to you.

Hope to meet you at Cognizant..with the passion for building stronger business!!!Bye....hope this article proves helpful...this site has been helpful to me..so i thought of contributing.

Paper Type : Aptitude - General

Hi All,

Recently I gave a written Test To Cognizant. I will tell u My experience with Cognizant. the selection process consisits of two Rounds.

1. Apps( verbsl,maths,reasoning questions...etc) Meritrac Conducted the first round. around 5000 Took up the Test. 1200 got short listed for the second round.

Everybody used to think Once if we clear first round in CTS we r 90% through. i was also thinkind like that. But here my bad time starts. My interview was scheduled at 3.30 pm on next day but mrng itself i went. due to the lack of time my interview got postponed. If it had happend at the scheduled time I would have gone through becoz Tech and HR was separate.But next day they Combined that. Don think when they combine it is easy. when they combined the process you will not be asked HR questions. The lesser the HR questions the Lesser the Chence to get through.

I went inside the panel around 10... I came out around 11.15.... I was having consistent 85% from 10th std.... in my engg also i got 85%...

Me: Hi, Good mng!

Int: Good mng! So u r venkatesh,

Me: Yes sir!

Int: Can i Have ur mark list.

Me: ya sure.

Int: Tell me any three fav subjects

Me: I said C++, Software Engg, Networks.

Int: you have got 91 in DBMS why not DBMS.

Me: I said my favourite subjects. I m more comfortable with the above three which i have specified.

Int: questions on Inheritance, oops concepts basics, den static variable Polymorphism,

Demo programs,

den threads, late binding,

function over riding programs,

den he went very deep in Software engineering,

he started with what do u mean by SDLC

Me: Answered

Int: tell me wat r all the models

Me: Ansd

Int: Draw the diagram for RAPID MODEL

ME: ANSD

Int: ok prototype

den he started asking what u mean by Cyclomatic complexity I said i don know,

He told Atleast try to recall. I told small definition in a general manner.

Int: Ok give me an example of how this project works in ,He told project title is Banking System. He asked if this project is treated with all the five software process models what would be the output?

Me: I explained my level best.

Int: R u comfortable with C or C++?

Me: C++

Int: He started asking questions

Me: i answered in OO approach But he tole answer me in Structure Approach.

This went for 15 min's

Int: Tell me one more Fav subject

Me: S/w Testing

Int: Ok Venkatesh

ME: Smiled

Int: Why CTS? (As my round has benn changed to HR+Tech) He aske that only one quest

Me: Answd

Int: Ok you may go

After two days I got the Result.



I was not able to clear the Interview. But one thing I am sure, if u have lesser HR questions it means u will not be selected 75%.

I was having one arrear in my first semester but cleared in 2 nd semester. Even though I was having 85% I was not able to explain them taht i have cleared it on my next semester becoz there were no HR questions.

All the Best Friends..... GOD Bless you!!!!!!!!!!!!

## CTS 2008 Placement Papers

CTS PAPER ON 3rd MARCH 2008

Hi, this is Sudipta Saha from JIS College of Engineering. We had our first campus interview in 3rd March 2008. We are glad to have a company like Cognizant in our college. I would like to express my experience, in brief.

Selection procedure was first with aptitude test and then Personal Interview. In personal interview, most of us faced mainly technical questions and little bit HR questions. My interview was like this.

I entered the room and said, "Good afternoon sir."

He not even looked at me and told me to take my seat. Then he said, "Before I ask you some question may I have your introduction?"

I gave a brief introduction.

Then he straightly entered the technical part. He asked, "Which subjects, you think, you are strong?"

I said, "I know C and core java".

"Any other?"

"I know data structure."

"You have passed 5 semesters and know only 3 subjects?"

"I had a good preparation of operating system. But during the last 2 months I was busy on preparing only these 3 subjects. So, I don't think I can recall OS right now."

Then he asked me some C questions.

"Difference between structure and union."

Answered.

He showed me a C coding. A union contains an int, a float, a char array and initialized by 2, 4.5, "Hello World\n" respectively. He asked me what would be the output if we try to print all the variables. I answered confidently. But later I came to know that I was wrong. He asked me "difference between call-by-value and call-by-reference"

Once again he showed me a C coding regarding this topic and asked for the output. I answered.

Then I faced some java questions.

"What are encapsulation, inheritance, and polymorphism? How does java support these?"

Answered.

“Write a java coding where a class implements an interface.”

I wrote.

“What will happen if there are two classes A and B contain an instance variable p and if a third class C inherits other two classes and try to access the variable p?”

I said, “It is a multiple inheritance concept. And java does not support it.”

He said, “I want the generalized concept.”

I said, “I only know what java supports.”

Then there were some data-structure questions.

He wrote an infix expression and told me to convert it to postfix.

I did it.

He showed me a tree and asked me whether it was binary search tree. I said “no” and explained the reason. He asked me to convert it to binary search tree using post ordered traversal.

His last question was “what is hash table?”

I said, “I don’t know.”

Then he said, “Well, you can go.”

I lend my hand for handshake.

After 5 hours, names were announced. There were 163 students who get selected. I was one of them.

What I realized that they don’t want you to answer all the technical questions correctly. What they want is that you should not remain silence. They may ask you some little bit conceptual and competitively tough questions to break you somehow but you must not loose your confidence and you have done your job. Try to express your body language as much as possible and speak clear and fluent English. You are selected.

#### CTS PAPER ON 6th MARCH AT KOLKATA

Hi, CTS came to our collage on 6th March 2008, for on-campussing. We were 74 of them who cleared Aptitude, finally after TR+HR ,29 of us got final selection.

Aptitude :-

It consists of 3 papers, one after the other , total of some 70 min. No -ve marking.

It was bit tough, My advice is do a lot of practice of RS Agarwal . Have good logical understanding,

Do practice verval & non- verval analysis .

Cube problem , as always , is given. just try to design a 3D cube in your mind & try to solve accordingly.

Father-son-..... relational problem. thats blood relation. It was simple.

Data sufficiency prob, then missing no. in series., quant was much easier for me.

As usual , try to do the comprehension part at the last ( I got it in 1st section).

HR+TR :- ( combined )

The person who took my interview was really cool.

Asked me about myself,

Good knowledge of Current Affairs - Hillary Obama, 123 Nuclear Agreement , news headlines,.....

asked personal opinion on Nuclear Deal .....

Asked me on technical stuffs on what i know & what i didnt.

Asked me to write a program & pseudo code to find the 2nd highest no. & to explain .

my only advice :-

Keep confident smile on your face .....

CTS is very punctual about time. They declared the sort list candidate at around 6 pm.

Also very generous to bring a big cake for us. Ha Ha Ha.

Bye for now .... See U all at CTS .... after 14 months .....

#### CTS PAPER ON 7th FEBRUARY AT AURANGABAD

Today CTS visited our college for an in-campus interview. The selection procedure consisted of an aptitude test followed by a personal interview. 350-400 candidates appeared for the aptitude. 90 were shortlisted for the personal interview and 40 were finally selected. Fortunately, I was one of the 40.

Aptitude consisted of three sections:

A] Maths:

questions like \$ stands for 1 and \* stands for 0, venn diagrams and "Eight people on a table, A to the left of F, C not diagonally opposite H....." were asked.

B] Analyze to determine:

logical reasoning questions

C] English

two very lengthy passages (i dint even get time to read those), questions like identify correct, incorrect sentences from the following choices and arrange the given options to form a correct sentence were asked.

Personal Interview:

It may be full n full HR, full n full Technical or Both, depends on ur luck. Mine was full on technical.

He: How r u?

Me: i'm fine.

He: Tell me something bout urself.

I told.

He: Done with HTML? (seeing my resume).

Me: Yes.

then he asked me the following:

>What are Meta tags?

(Then he went into Data Structures)

>Gave me an expression n told me to create a tree.

>Asked a lot about "Singly link list" program.

>What are virtual functions?

>What is an abstract class?

and finally (to my relief)

>Explain Stack

I answered all but not completely. He just wanted to know whether I at least know some basic stuff about those questions.

CTS PAPER ON 11th MARCH 2008

Hi, I am UmaSudha final year B.E C.S.E from P.R.Engineering College.Thanjore.I am very happy to say that I am selected in COGNIZANT (Passion to make Difference) It was the Anna University OFF CAMPUS (TNSLPP)... 65 COLLEGES PARTICIPATED.

Total attended = 1,333

Cleared Written = 238

Selected = 28(15 boys 13 girls)

It was a shock that they selected only 28 from 1,333 and I'm really happy that I am one among that few.

Two Rounds:

1.Written test.

2.Interview. (Tech n HR)

The Merit Track conducted the test. It was organized perfectly and they expect discipline from us.. Before the test you have to fill a form. Do it carefully because some of my friends got questions 4m that.

1.Software Orientation:

2.Hobbies and extra-curricular activities

3.Strengths and Weakness

4.Expectation from CTS

5. Why CTS

6. Long term and short-term goal with CTS

7. What are the qualities necessary for software professional to be successful

WRITTEN TEST (3 sections) NO -VE MARKING

1. Analytical Ability (25 Q, 30 Minutes)

Venn diagram questions

Data sufficiency

coding 1 represented as \$ and 0 as \*(easy.. jus convert it into Binary)

Cubes related questions are very important

My suggestion is do Coding First. Then Venn dig. Cube problem n others..u can surely score full marks fm coding n venn dig...cube is also easy when u understand it. For cube take the cubic root of the no of pieces. 64 means 4(keep as x value)..then 2 side painted means  $12*(x-2)$ . 1 side painted means  $6*(x-2)$  2 . (horizontal n vertical) like wise u must think n apply according to the question..

1. venn dig- people hving dif heights 6feet ,6'6 feet, 5'5 feet. and questions like no of people who is 6 feet. no of people who is 5'5feet.....

2. In codin there will be only normal arithmetic operations n L.c.m..i don remember them.

For ex..  $64/4 = 16 = \$****$ . first solve it n convert it to binary..

3. Cube- a cube of 12 cm is cut into small 3cm pieces..then place another 4 small cubes over it..and another 2 small cubes over the 4cubes..then again one more cube over the 2 cube...the cube is then painted from top to bottom

$12/3=4$ ...so 4row 4column...draw a dig of cube first. Imagining the cube only help u to solve rather than formulas. How many cubes r painted on only one side?

how many cubes r painted on only 2 sides?

how many cubes r painted on only 3 sides?

how many cubes r painted on only 4 sides?

how many cubes r painted 0 sides?

(my friends told me tat cube problems hav more marks than other questions)

## 2. Verbal Ability (20 Q, 20 Min)

### Comprehension

Find out the incorrect sentence

Find out the correct sentence

Jumbled Passages

-Don't prepare anything for this..It won't help u..Jumbled sentences n correct incorrect sentences are a little confusing..it depends on ur grammar n English language skills. do the comprehension last(it is a very big passage..i didn't even read it ,jus ticked..no time)

## 3. Attention Details (20 Q, 20 Min)

Find the odd man out

Analogy of figures (Simple)

syllogism

Puzzle

Very easy compared to other sections..any one can crack it with out any preparation..If u think to prepare jus go through puzzle test n syllogism from R.S.Agarwal Verbal reasoning

Analogy of figures –Non verbal Reasoning

Interview:

Next Day My interview was at 4 .00 p.m.I was really exhausted at that time in waiting from morning. 9 panels (approx 25 each). I went into the interview hall. He was reading something.

Me: Good Evening sir..

He: (raised his head).Good eve.Sit down

Me: Thank u sir

He: again he started to read something.after 10 sec he asked "So u are Uma"

Me: yes sir

He: Tell me smthing abt urself

Me: said.

He: Tell abt ur project

Me: Told abt the theme of project ,modules n everything I know.(as I m in the start of my final sem I don know my project in depth)

He: wat language

Me: C n Java

He: So,wat r u doing ,wat is ur part in that.

Me: (told frankly)Sir as I m in the start of my final sem I know only the concept.We are having one more month to complete it. So we are still learning things abt our project.

He: k...(great relief for me).. u hav put tat u know C n C++.

Me: Yes sir

He: Tell abt Object Oriented Programming

Me: Tld abt inheritance, abstraction, Encapsulation, polymorphism....

He: Tell all those things with an example program.

Me: (Be Confident in whatever u say.. Even though u fear don show it in ur face)  
Explained him all with examples... he interrupted me thrice and asked questions frm wat I said.

He: wat is Overloading and overriding...with eg program

Me: Explained it with program

He: wat is operator n function overloading its diffe

Me: Explained

He: wat is virtual ,Inline..

Me: Explnd (I bcame happy as I answd al of them..but my happiness didn't last much time)

He: k...Listen Carefully..I will give u a situation...(Oh!GodSave me).In a college Library they contain a set of books..and all the books are different..many professors will take those book now and then.. the books come from various places and he kept on saying...(I couldn't understand al tat he said) tell wat concept of inheritance u implement in this situation..

Me: Multiple Inheritance...(tld quickly)

He: hmm...Wat is the base n derived class in it...

Me: Base class-Book....Derived class- professors

He: wat is the relation n wat details each class contains....

Me: Base class contains the details of bookID,Authour...derived class contains the details abt professors...who hav last taken it.. date of return...and said something more abt the relations(not sure ...)

He: questioned from wat I said.... I answered two more questions..it was difficult. So I started to think...

He: K...(Stoppd my thinking)..wat is ur goal n wat do u want to become

Me: I want to become a senior s/w engineer and must have learnt so many things in my way of it...

He: hmm..Wat is the method

Me: it is a function-block of code etc....

HE: Why v have to use it.. wat is the reason

Me: reduces complexity..if the pgm is like a paragraph it is not easy for user to understand...reduces length.. reusability...blah..blah..

He: k...write the declaration of an array of pointer.

Me: did

He: K, apart frm ur curriculum hav u dne anyting in computer science

Me: yes sir I hav dne paper presentation in Cryptography

He: tell abt it

Me: this is easy for me...I explained.



He: k..that's al the questions from my side...Do u want to ask me any thing

Me: how many months we will be provided the training..

He: answered and asked "If u are placed means are u comfortable to work in chennai" (tat is the clue tat I m placed..I got excited tat I m going to get selected)

ME: Yes sir I'm very much Comfortable to work there...

He: k..thank you

Me: Thank u so much sir.....

My interviewer was very very serious n perfect in his work .He didn't even gave me a smile.. My interview went for 30 minutes...for CSE n IT there will b only tech ques

All that u have to do is be urself....don fear...n be frank .they are very smart people.. so...never lie...answer confidently..u will get through it.Be thorough with everything u put in ur resume and ur project(project questions were asked in all the panels) At 5.30 they announced the result n my name was in the list.

ALL THE BEST.DON LOSE HOPE..JUS KEEP TRYING.. don worry for others comments and wat they say. They will never come along with u in ur life.I WISH EVERY ONE WHO READ THIS PAPER WILL SOON GET SELECTED.... Hope this papr will help u.C U IN CTS.

CTS PAPER ON 21st MARCH 2008

Hi! This is Akshay Hangarge (3rd year electrical) student from Walchand college of engineering,sangli placed in the world's fastest growing company COGNIZANT.I am very glad to be a part of CTS family.With no waste of time let's discuss the selection procedure .

Total attended = 320

Cleared Aptitude = 112

Selected = 50

The selection process consists of two rounds

- (1) Written test
- (2) Technical + HR round

Written test consists of three sections

VERBAL SECTION (25 questions-25min)

(1-10) comprehension (passages r too long)

(11-15) find the incorrect sentences

(16-20) find the correct sentences

(21-25) arrange the jumbled sentences

This is a quiet tough section. Just make guesses. Mark option B or C. Always read passage at last. Read questions first.

ANALYTICAL SECTION (25 questions-30min)

(1-5) Venn diagram

A group is divided into three. The first group is persons of 5'6 height and second and third r 6'0 and 6'6 respectively. There r totally 130 peoples, 50 of them r 5'6 and 65 of them r 6'6, 10 of them r 5'6 and 6'6, 15 of them r 5'6 and 6, 20 of them r 6'6 and 6, and 5 of them r all the three.

- (1) How many of them r 6 feet? (Ans 70)
- (2) How many of them r only 6 feet? (Ans 30)
- (3) How many of them are only 5'6? (Ans 20)
- (4) How many of them are only 6'6? (Ans 30)
- (5) How many of them are at least two? (Ans 50)

Important formula in Venn diagram is

EXACTLY ONE = TOTAL - EXACTLY TWO - ALL THREE

(6-10) quantitative questions

Questions on Blood relations (quite difficult)

Other questions r from profit loss and other general questions. Sorry I don't remember

(11-15) data sufficiency--Very easy one

(16-20) binary conversion

Please don't read anything in the question. Just change any value to binary and convert that 1 to \$ and 0 to \*.

(Eg) LCM of (12 15 10) (ans 60 = 111100 = \$\$\$\$\*\*)

(21-25) cubes

Questions like :if a dice is thrown 2 on top, 3&5 at left & right, in another turn 5 on top, 3&4 at left & right and one another condition (don't remember exactly)

21-25 What is opposite to 5?.....

NON VERBAL SECTION (20 questions-20 min)

(1-4) syllogism (study all rules in the Aggarwal book but TIME book will help u a lot)

(Eg) All mosquitoes' are lizards.

All lizards are insects.

(Ans: all mosquitoes' are insects)

(5-6) logical deduction (study all rules from TIME book)

(7-15) figure sequence and odd one out from figures (very easy) (just go through R S Agarwal)

(16-17) Seating arrangement

(18-20) logical puzzle

After two hours the sortlist was declared by them .I was almost sure that I would be clearing the aptitude.

HR + TECHNICAL INTERVIEW (please write carefully your HR form)

Be confident at the time of interview and maintain smile on your face. First ly i was tensed bcoz my technical was not so good & all the panelyst were MTech. Elect. from IIT.

INTERVIEWER: Hello Akshay!

Me: Good Afternoon Sir.

INTERVIEWER: Good afternoon.Please be sittid.

Me: Thank you, Sir .

INTERVIEWER: Tell me about yourself?

Me: Told(academic).....Apart from studies bckgrnd I am also a good sportsman .I led under 14 cricket team of latur district and got runner -up prize for Kho-Kho cometition.

INTERVIEWER: Are you a player of your college team?

Me: No Sir,Only last year students are allowed to play in the team.

INTERVIEWER: Were you a part of your college's annul social gathering sports?

Me: Yes Sir, I was captain of the T.E Trical Cricket team.

INTERVIEWER: What role did you play in it?

Me: I was the opening batsman and also the WC in team who has responsibility of heading the team.

INTERVIEWER: What do you expect from CTS?

Me: My whole knowledge and skills should be utilised by CTS.There should be great environment.

INTERVIEWER: Have you appeared for TCS and Infy.?

Me: No,Sir.Waiting for CTS.

INTERVIEWER: Why CTS?

Me: As it is world's fastest growing company it is growing exponentially, I am also fast in my life.CTS and My principles match exactly,that's why CTS.

INTERVIEWER: As you are fast, tell me five things about microprocessor very fast

Me: Told.....confidently and surely but fastly

INTERVIEWER: Tell me 5 applications of OP-AMP?

Me: Told....(they check confidence)(when i gave 3 he said 1 just for checking confidence.

INTERVIEWER: Which is your favourite subject?

Me: Power System

INTERVIEWER :I have conducted interview of 5 electrical student all have same favourite subject ,Why?

Me: I don't know about them but as per my opinion everything in Power system is visible lively.

INTERVIEWER: What is skin effect,corona.....?Have you seen it?

Me: Explained ..

INTERVIEWER: What did you get from Linear Control Systems?

Me: Answered..

INTERVIEWER: Do you have any question?

Me: Sir,I have one more year to complete my course What do you expect me to do in thisone year to fit into CTS

INTERVIEWER: If selected no need to do anything.You just be cleared with your basics.

Me: Thank You, Sir

INTERVIEWER: Wait for the result.

Me: Thank You,Sir and HAPPY HOLI

I WAS ALMOST SURE THAT I WOULD BE THE AMONG THE PLACED.PLEASE BE CONFIDENT.

CTS PAPER ON 25th FEBRUARY AT KOLKATA  
hello friends... the aptitude papers were not so tough...

First Paper (Numerical)

q1: 54 boys ate Biscuits and 65 boys ate Cake. 7 boys ate biscuit, cake and pastry. 14 boys ate cake and pastry only. 20 boys ate biscuit and cake only. 15 boys ate biscuit and pastry only. total no of boys are 224....(datas are not right....its a very easy sum to do) (now 5 qstns are there with that problem)

i) no of boys ate only pastry?

ii) ratio of no of boys ate biscuits to no of boys ate pastry?

iii).....?

iv).....?

v).....?

solution:- draw then vann diagram....its really easy....the data given by me....i frgt the original data...

q2: A cube is cut into 64 equal cubes....now from each side of the original cube, 2nd and 3rd small cube are removed...now the whole thing is painted black.

i) no of cubes which are not painted

ii) no of cubes which are painted 1 face

iii) no of cubes which are painted 2 faces

iv) no of cubes which are painted 3 faces

v) no of cubes which are painted in more than 3 faces

solution:- imagine the figure...2nd and 3rd cube from each side(edge) is removed...so total 24 cubes are removed...40 cubes r remaining..

now if it is painted...32 cubes will be painted in 3 faces and 8 cubes will be painted in 6 faces...so the answers are...

i) 0

ii) 0

iii) 0

iv) 32

v) 8

q3: (there is a qstn of coding...like if \* is 0 and \$ is 1..and bla bla bla....u can find this type of qstn in Agarwal...this qstn also has 5 individual qstns like above)

solution hint: solve these qstns in binary method

sorry frnds i cant remember the other qstns....

Second Part(english)

english part was really hard....specially the passages are really tough...there are two passages...

TIPS:- read the passage once with full concentratin....u dnt have to understand the whole meaning..just read it....if u read it i'm assuring u...u can answer it...

because questions are based on the lines of the passage....if u read each lines atleast once u can answer...dnt leave the passage as well as hope if u cant understand it....

There are questions like find the correct statement.....find the wrong sentence....these are really easy....go through the grammars...dats it.

Third Part(Logical)

1) logical questions...u can solve it easily.....these are copied frm Agarwal... examples....All mangos are oranges...all oranges are tube light....few tube lights are mangos...(these are really easy.... plz do all these from RSAgarwal)

2) in this questions there are statements like..."if i'm in hotel i always eat mutton" now there are 4 statements given like..

i) i eat mutton

ii) i dont eat mutton if i'm not in hotel

iii).....

iv).....

now which statement(s) is more significant.....

a)only i

b) i and iii

c) i,ii and iv

d)noneof these (this is an EXAMPLE....u can do it by own)

3)odd man out Just do Agarwal...dats it...enough...there are some pictures..u have find the odd man.....reallly funny...some pictures contain cartoon figures...reallly easy...

N.B. one thing i want to add...there are no negative marks...i'm sure CTS doesnt give -ve marks for wrong answers.... so answer all questions...try to go for option B or C...it is always shown dat max answers are of option B and C....Go for it...

Interview:

My interview was really cool....he is a nice man, who took my intrvw...

me: May i come in sir?

sir: yes come in.....u r aritra...right?

me: yes sir.

sir: u did well in the apti..(holding my apti answer sheet in his hand)...

me: thank u sir..(i was still standing..there)

sir: lets have a sit..

me: (i sat down) thank u very much sir...

sir: can i have ur brief intro?

me: i said..(plz mention ur marks u got in class 10 and 12...and if u r telling about ur family,plz mention ur parents name and what they do..)

sir: ok very good....y should i take u??

me: (i told all my qualities...adaptability, flexibility, leadership quality and good communicator...with real life examples)

sir: very good.....( i mentiond in the blue form that i play guitar)..aritra..do u play guitar??????

me: yes sir...(i added)i also have a rock band.

sir: (smiling)ok...so u rock?

me: yes sir...(smiling)I rock...

sir: (suddenly he switched into technical part..it was a surprise for me)...now tell me what is polymorphsm?

me: i said him..

sir: can u right a program to find the largest number among three numbers in c++?

me: (honestly replied) sir...i dont know c++..because it was not in our course till now...but JAVA is covered in our course...can i right it in JAVA...

sir: ok ok no problem...the coding is same for the both...u can do it in JAVA...carry on..

me :(i did it in that paper...its a very simple program...always use ur own pen...if interviewer offers..tell him politely that i'v my own pen)...sir i'v completed it.

sir: (he saw it) thank u aritra...we r done for today..

me: thank you very much sir..(i left the room)

This is my interview...and i'm selected..its a on campus held in our collegeRCC Institute Of Information Technology...60 students r selected among 145 students....and i'm among them...