Technical Questions in the second round --

1. If 1/4 of the time from midnight plus 1/2 of the time from now to midnight is the presen time,then what is the present time ?

2. In a 10 digit number, if the 1st digit number is the number of ones,2nd digit number is t number of twos, and ... so on. 10th digit is the number of zeroes,then find the number

3. A train blows a siren one hour after starting from the station. After that it travels at 3/5t speed it reaches the next station 2 hours behind schedule. If it had a problem 50 miles fart from the previous case,it would have reached 40 minutes sooner. Find the distance betwee two stations .

4. An army 50 miles long marches at a constant rate. A courier standing at the rear moves and delivers the message to the first person and then turns back and reaches the rear of th as the army completes 50 miles. Find the distance travelled by the courier.

5. A person grows cabbage, he uses a larger square this year than previous year and produ cabbages than previous year.what is the no. of cabbages produced this year

6. Olympic race :
4 contestants : Alan,charlie, Darren ,Brain.
There are two races and average is taken to decide the winner.one person comes at the sar position in both the race. Charlie always come before darren. Brian comes first once. Alan c third atleast once. Find the positions. Alan never comes last. Charlie & darren comes 2nd a once.

8. Problem finding who is husband,wife & son from 4 set of families.
9. Rank the persons from set of conditions.

/* THIS FILE INCLUDES INFOSYS PAPERS FOR YEAR 2000 HELD AT IISc AND NAGPUR. */

INFOSYS TEST @ IISC - 2000

1:there is a robery and four persons are suspected out of them one is
actual
thief,
these are the senteces said by each one of them!
A says D had done
B says A had done
C says i dddnt done
D B lied when he said that i am thief

out of these only one man is true remaining are false
ans C is thef,D is true!
maks 3

2 how many four digit numbers divisible by four can be formed using

1,2,3,4;repetions are not allowed!
ans 6;
marks 4

3 a vender solds two things at same cost 12 RS with one item at 25%profit
and other at 20%loss,by this transaction he made profit or loss by how
much
ans loss,60paise

marks 3

4 two friends A,B are running up hill and then to get down!
length if road is 440 yards A on his return journy met B goin up at
20 yards from top,A has finished the rase .5 minuit earlier than
B,then how much time A had taken to complete the rase.

ans 6.3 minuits
marks 4

5 barons question diagnostic test question 8-12,5 men and 5 women went for
foot ball match.........

marks 8

6 write a five digit number ,
which will be having two prime numbers,
and some two more conditions,like 1st digit greater than 2nd etc
its easy(remember one is not a prime number,most people don mistake
taking 1
as prime number)

ans 71842

5 marks

7 two employs were there
employ one says to employ two your work ezxperience twice as me
emp2 exactly
emp1 but two years before you said that your work experience is
thrice as me
emp2 yes its also true
what are their work experience
ans 4,8
marks 3

8 ther are four persons A,B,C,D and for languages english ,french
,german
italian,
conditions
1 only one language is spoken by more than two men
2 A dont know english
3 a man can speak either french or german but not both
4 all man cannot spek in a group(no common language)
5 A can mediate when B and C want to speak with each other
6 each men can speak two languages
ans
A french italian
B english french
C german italian
D german italian

marks 7

9 there are 3 women ,they having three jewells,named diamond emerald
,ruby

3 women A,B,C
3 thiefs D,E,F
each thef had taken one jewel from each of the women
following conditions
one who had taken diamond is the bachelor and most dangerous
D 's brother in law E who is less dangerous than the thief who had
----
stolen emerald

(this is the key from this e had stolen ruby)
D did nt stolen from B
one more condition is there

marks 7

10 ther were five persons out of which two persons heir went white
and three persons hair is black
conditions
if A 's hir is white then B'hair is white
A,s hair is not blakck if C's hair is not black
two more conditions
but we can easily solve it from first codition
ans is Aand B's hair is white
marks 5

essay
in this age of super computer computer will repalce man!

what is contribution of industry towards humn growth

interview questions!

1 two time glases 7,4 how you measure 9
2 four persons have to cross the bridge they are having one torch
ligt
four persons take 1,2,5,10 minuits respectively ,
when two persons are going the will take the time of the slowest
person
whats the time taken to cross allof them

ans 17minuits
3 a non uniform rope burns for one hour how you will measure
half an hour
ans lit it from both sides!

BEST OF LUCK!

INFOSYS TEST @ NAGPUR - 2000
questions

questions

1. there were three suspects for a robbery that happend in a bank, tommy, joy and bruceEach of them were saying that I haven' t done anything and the other two has done it.police found that tommy was lying .who is the thief. 3M (MARKS).

2. three clocks where set to true time .First run with the exact time ..second slows one minute/day. third gains one minute/day. after how many days they will show true time. 3M.

3. A,B,C,D,E are some numbers.if AB * CD = EEE and CD - A =CC THEN what is AB * D =? IN SAME CODE .5M.

4. Joe started from bombay towards pune and her friend julie in opposite direction.they meet at a point .distance travelled by joe was 1.8 miles more
than that of julie.after spending some both started there way.joe reaches in
2 hours while julie in 3.5 hours.
Assuming both were travelling with constant speed.Wath is the distance between the two cities. 5M.

5. In a six level building,a person lives .suppose the persons are A,B,C,D,E,F. --- and there were few clues like---
A cann' t live above third level,
B cann' t live above A and below C.-- i am recalling each.did u understood the question--
u have to find person living at each level. 5M

6. There were some containers of quantity 1,3,4,5,6,12,15,22,24,38 liters.each was filled with some liquid except one.the liquids are milk, water and oil.quantity of each was like this
water = 2* milk
oil = 2* water
find out which container was empty and cantainers filled with milk and oil.
6M

7. there were few diamonds.
1st thief takes half of the diamonds +2
2nd thief takes half of the diamonds +2
3rd thief takes half of the diamonds +2
4th thief takes half of the diamonds +2
when 5 th thief arives there were no diamonds. find total no. of diamonds. (ans 60) 6M.

8. there were five hunters A,B,C,D,E and five animals A,B,C,D,E. Hunter having the same name with the animal didn' t kill it. Each hunter has missed
some animal.
A animal was hunt by the hunter whose name matches with animal hunt by hunter B.
C animal was hunt by the hunter whose name matches with animal hunt by hunter D.
E has hunt C and missed D .find out animals hunted by A,B,C. 6m.

9. Five students A,B,C,D,E.
when conversation started B,C were speaking english.When D join them they shifted to Spanish.A,E knows French .B,E knows Italian.Portoguese was known

to there of them.Spanish was the most common language between them.
one of them knows five languages.
one of them knows four languages.
one of them knows there languages.
one of them knows two languages.
one of them knows only one languages.

A knows ? 4 options
B knows ? 4 options
C knows ? 4 options
E knows ? 4 options 8M

WISH U ALL THE BEST………
MAY ALL YOUR DREAMS COME TRUE !!!

Infosys Technologies ltd
Aptitude Test 9th july 2000

1.A boy picks up the phone and asks" who are you?"
The voice from the other side answers" I am your
mother' s mother in law".What is the relation of the
boy with the fellow speaking at the other end.(3marks).

2.Imagine a rectangle.Its length=2*width.A square of 1
inch is cut on all corners so that the remaining portion
forms a boxwhen folded.the volume of the box is_____ cubic
inches.find the original dimensions of the box. (3 marks).

3.2 persons are doing part time job in a company9say a and b).
THe company is open for all the 7 days of the week.' A' works
every second day.' B' works every 3rd day.If ' A' works on 1st june
and ' B' works on 2nd june.Find out the date on which both ' A'
and ' B' will work together. (4 marks).

4.Consider a pile of Diamonds on a table.A thief enters and steals
1/2 of th e total quanity and then again 2 extra from the remaining.
After some time a second thief enters and steals 1/2 of the remaining+2.
Then 3rd thief enters and steals 1/2 of the remaining+2.Then 4th thief
enters and steals 1/2 of the remaining+2.When the 5th one enters
he finds 1 diamond on the table.Find out the total no. of diamonds
originally on the table before the 1st thief entered. (4 marks).

5.Imagine 4 persons A,B,C,D.(It is a strength determining game).
A found it hard,but could pull ' c' and ' d' to his side.
AC and BD pairs on opposite sides found themselves equally balanced.
When A and B exchanged thier positions to form pairs AD and BC ,BC pair
could

win and pull AD to thier side.Order the 4 persons in Ascending order
according to thier strengths. (3 marks).

6.Consider a beauty contest.3 persons participate.Their names are
Attractive,
Delectable,Fascinating.THere 3 tribes Pukkas,Wottas,Summas.
Pukkas - Always speak truth.
Wottas - Always speak lies.

Summas - Speak truth and lies alternatively.
Each of the 3 persons make 2 statements.

Attractive - (1)
(2)

Delectable - (1) i don' t remember
(2)

Fascinating- (1)
(2)The person who speaks truth is the least beautiful

>From the statements they give and the character of the 3 tribal types,
find out which person belongs to which tribe.Also find out the persons
in the Ascending order of their beauty. (8 marks).

7.There are 5 positions-Clerk,Buyer,Cashier,Manager,Floorwalker.
THere are 5 persons- Mrs.Allen,Mrs.CLark,Twain,Ewing,Bernett.
Conditions: 1.clerk and cashier lunch time 11.30.to12.30
2.others 12.30 to 1.30
3.Mrs.Allen and Bernett play durind lunch time.
4.clerk and cashier share Bachler rooms.
5.Ewing and Twain are not in good terms because
one day when Twain retuned early from lunch
he saw Ewing already sitting fro lunch and reported
about him to the manager.
Find out which person holds which post. (8 marks).

8.There are 8 courses to be handled by faculty in 2 semesters.4 in 1st
semester and 4 in 2nd semester THe candiadates hired for the post are
k,l,m,n,o.The courses are Malvino,Shakespeare,Joyce,Chauncer...........
Some conditions will be given like.,
1.L and N handle Shakespeare and malvino.
2.M and O handle Malvino and Joyce.
3. …….
4.
..
.. i don' t remember
..
8. ……
Only one author can handle a course in 1 semester.
then 3 questions were asked based on these information and
3 options for each question were given (8 marks).

9. I don' t remember

10.I don' t remember.

Here is theinfosys paper It may not contain full
questions and ans

Understand it

1. There are 4 married couples out ofwhich 3 a group
isneeded . Butther

should not be his of her spouse .How nmany groups are possible ?

Ans 32

2.In the 4 digits 1,2,3,4 how many 4 digited numbers are possible

which are divisable by 4? Repetetions are allowed
Ans 64

3. Twow men are goingalong a trackf rail in the opposite direction.

One goods train crossed the first person in 20 sec. After 10 min

the train crossed the other person who is commingin opposite direction

in 18 sec .Afterthe train haspassed, when thetwo persons will meet?

Approx 72min check it once.

4. Theno. of children adults . Theno .of adults the no .of boys .

The no.of boys no. of girls .The no.of girls no.of familyi conditions

1.No family is without a child
2 Every girl has atleast one brotherand sister .

Ans c a b g f; 9 6 5 4 3 .

6.There are4 boys Anand ,Anandya ,Madan and Murali with nicmnames perich ,zomie ,drummy and madeena not in thesame order

Some com=nditons

Ans Anand : Perich
Anandya: drummy
Madan : Zombie
murali: Madeena
7.Thereare2diomans ,1 spadeand1 club and 1ace and also 1king ,1 jack

and 1 aceare arranged in a straight line

1.The king is at third place
2.Theleft of jack is a heart and itsright is king
3. No two red colours arein consequtive.
4.The queensareseperated by two cards. Write the orderor which suits

(hearts ,clubs)and names(jacks queensetc.)
8. Writeeach statementis true or false 8M

1.The sum of the 1st three statements and the 2nd false statement gives the true statement.

2.The no.of true statements false statement
3. The sum of 2nd true statement and 1st false statement gives the first

true statement.
4. There are atmost 3 false statements
5.There is no two consequtive true statements
6.If this contains only 1-5 statements ,the answer of this is same as the an answer of the following question

9.Question on Venn diagram.
All handsome are also fair skinned
Sme musulars are fair skinned
Some musculars are also handsome
All lean are also muscular
Some lean are also fair skinned.
All rich man i not fair skinned but all rich man are handsome

Some questions follows.
10
There are 3 piles each containe 10 15 20 stones. There are A,B,C,D,F,G

and h persons .One man can catch upto four stones from any pile.

The last man who takes will win. If first A starts next B. and so on

who will win?
Ans May be F

Essay writing
1 Intrnet revolution
2.Media for youth

INFOSIS
----
1. A person needs 6 steps to cover a distance of one slab.
if he increases his foot length(step length) by 3 inches he needs only 5 steps to cover the slabs length. what is the length of the each slab.

(ans 31 inches).
2. There are 19 red balls and one black ball . Ten balls are put in one jar and the remaining 10 are put in another jar. what is the possibility that the black is in the right jar.

(The question is bit of confusing but the answer is 1/2).
3. There is one lily in the pond on 1st june. There are two in the pond on 2nd june . There are four on 3rd june and so on.
The pond is full with lilies by the end of the june.
(i)On which date the pond is half full.

ans. 29th. --the june has 30 days)
(ii)if we start with 2 lilies on 1st june when will be the pond be full
with lilies.

(ans. 29th june)
4.A lorry starts from Banglore to Mysore at 6.00 A.M,7.00am.8.00 am.....10 pm.
Similarly one another starts from Mysore to Banglore at 6.00 am,7.00 am,
8.00 am.....10.00pm. A lorry takes 9 hours to travel from Banglore to Mysore
and vice versa.
(i) A lorry which has started at 6.00 am will cross how many lorries.

(ans. 10)
(ii)A lorry which had started at 6.00pm will cross how many lorries.

(ans. 14)
5 .A person meets a train at a railway station coming daily at a
particular time . One day he is late by 25 minutes, and he meets the train 5 k.m. before the
station. If his speed is 12 kmph, what is the speed of the train.

(ans. 60 kmph.)refer--Shakuntala devi book.
7. A theif steals half the total no of loaves of bread plus 1/2 loaf from a backery. A second
steals half the remaing no of loaves plus 1/2 loaf and so on. After the 5th theif has stolen th
no more loaves left in the backery. What was the total no of loaves did the backery have at
biggining.

(ans: 31).
8. A gardener plants 100 meters towards east, next 100 meters towards north,next 100 me
towards west. 98 meters towards east, 96 meters towards north and 96 meters towards we
meters towards south.
and 94 meters towards east and so on.
If a person walks between the trees what is the
total distance travelled by him before he reaches the center.
ans: |---------------|
 | |
 | |
---------------------| -
9. Long division:
example: 1089709/12 ?
ANALYTICAL
4 question---40 marks; 40 minutes;
----
1. There are four women and 3 men. They play bridge one nigth. Find
widow among them.
Rules:
(i) wife and husand are never partners
ii wife and husand never play more than one game.
One nigth they played four games as follows;
1. ------ + ------ vs ------- + ---------
2. ------ + ------ vs ------- + ---------
3. ------ + --*--- vs ------- + ---------
4. ---*-- + ------ vs ------- + ---------
the woman are marked * above.
ans: refer problem 21. mind teasers by Summers.

2. There are 5 peoples; few of them speak true, few of them false.
Identify them.
3. & 4.th problems on Venn diagram

INFOSIS
----

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his foot length (step length) by 3 inches he needs only 5 steps to cover the slabs length. W
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(ans: 31).
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towards west. 90 meters towards east, 90 meters towards north and 90 meters towards we
meters towards south.
and 94 meters towards east and so on.
If a person walks between the trees what is the
total distance travelled by him before he reaches the center.
ans: | --------------- |
 | |
 | |
--------------------	-
9. Long division:
example: 1089709/12 ?
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Rules:
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One nigth they played four games as follows;
1. ------ + ------ vs ------- + ---------
2. ------ + ------ vs ------- + ---------
3. ------ + --*--- vs ------- + ---------
4. ---*-- + ------ vs ------- + ---------
the woman are marked * above.
ans: refer problem 21. miniagrames.
</pre></div>
<div><pre>
I received your paper.I am sending some of the Psychometric questions.

Do not bother much about this test.Be optimistic,While answering the
questions.There will be 150 questions in this section.The questions may
repeat with slight variation.Answer should be same.

1.You will be interested in social activities.
2.While going upstairs,you will move two steps at a time.
3.You will be making friendship with the same sex or with the
opposite sex also.
4.Your friends consider you as a leader in your group.
5.Peole think that you are serious mainded.
6.Sometimes you fell dull without any reason.
7.You are host or hostes for several parties.
8.Relatives come to your home and you will entertain them.
(Orey! Don' t write your original opinion.You will try to get
out them .Isn' t it?)

9.You will do work for long time without tireness.
10.In your company,you want to lead the organisation.

I have not received any mail from IITM.There is no time for them
to give a mail.waste fellows.There is no dynamism in their blood.I have
been waiting for the mail since three days.

Don' t worry about telco.They will conduct interview and select
based on the CGPA.Come to the lab regularly.These are crucial days.You
know that TCS is visiting our campus on 3rd.That' s my first company.Akka
had sent a rakhi for me.You might be received the same.What is the news?
What else?

send mail after receiving all the papers.
1.cv
2.critical reasoning
3.Psychometric

I know some 25 questions.

The technical comprises of 50 questions on C,Unix and windows.
The interview for us is on a later date.If the questions come for you
also,then intimate me.
1.const char *
char * const
What is the differnce between the above tow?.
2.In Unix inter process communication take place using?.
3.What are the files in /etc directory?.
4.About i-node numbers
5.Max relaxable permisssion value with out giving write permission
to others?.
6.About ln(linking)
7.A question on until
until (who l grep mary)
do
sleep(60)
done
8.Linking across directories?.

9.process id for kernell process
10.very first process created by kernell
11.function to repaint a window immediately?.
12.Function entry for DLL in win3.1
13.win 3.1 is a
14.win 3.1 supports which type of multi tasking?.
15.Message displayed when a window is destroyed
16.About fork()?
17.About send message and post message
18.Message to limit the size of window
19.System call executable binary file intoa process
20.About GDI object?.
21.API used to hide window
22.Initialize contents of a dialog?.
</pre></div>
<div><pre>
CV paper:

* *

1-18 General (i) Data sufficiency
(ii) Analytical
(iii) Mathematics
19-45 C&UNIX

1. l x-a l =a-x Ans: (c) x<=a
2. There is six letter word VGANDA . How many ways you can arrange the
letters in the word in such a way that both the A' s are together.
Ans : 120 (5x4!)

3. If two cards are taken one after another without replacing from

a pack of 52 cards what is the probability for the two cards be queen. Ans : (4/52)*(3/51) (1/17)*(1/13)

4. 51 x 53 x ... x 59 ; symbols ! - factorial
^ - power of 2
(a) 99!/49! (b) (c) (d) (99! x 25!)/(2^24 x 49! x 51!)

5. The ratio fo Boys to Girls is 6:4. 60% of the boys and 40% of girls take lunch in the canteen. What % of class takes lunch in canteen.
Ans : 52% (60/100)*60 + (40/100)*40

Data Sufficiency : a) only statement A is sufficent , B is not
b) only statemnet B
c) both are necessary
d) both are not sufficient.

6. X is an integer. Is X dvisible by 5?
A) 2X is divisible by 5.

B) 10X is divisible by 5.

Ans : A)

7. (A) Anna is the tallest girl
(B) Anna is taller than all boys.
(Q) . Is Anna the tallest in the class

Ans : c

8. maths question
9, 10 Analytical

Zulus always speak truth and Hutus always speak lies. There are three persons A,B&C. A met B and says " I am a Zulu or I am Hutu". We don' t know what exactly he said. then B meets C and says to c that " A is a Zulu ". Then C replied " No, A is a Hutu ".
How many Zulus are there ?

Ans 2(check)

10) Who must be a Zulu ?

Ans B (check)

11,12.13,14.

A father F has 5 sons, p,q,r,s,t. Not necessarily in this order. Two are of same age. The elde youngest cannot be twins. T is elder

to r and younger to q and s has three older brothers

q) who are the twins? s,t
q) who is the oldest and youngest? q, (s&t)
q)
q)

15,16,17,18

There are 7 people who take a test among which M is the worst, R is
disqualified, P and S obtain same marks, T scores less than S and Q scores
less than P, N scores higher than every one.

Ans : N P S T Q R M (may be, just check) or N S P T Q R M

C & UNIX
----

19. What does chmod 654 stand for.

Ans : _rw_r_xr__
20. Which of following is used for back-up files?
(a) compress (b) Tar (c) make (d) all the above Ans : b
21 what does find command do ? Ans : search a file

22. what does " calloc" do?

Ans : A memory allocation and initialising to zero.
23 what does exit() do?
Ans : come out of executing programme.
24. what is the value of ' i' ?

i=strlen("Blue")+strlen("People")/strlen("Red")-st
rlen("green")

Ans : 1
25. i=2
printf("%old %old %old %old ",i, i++,i--,i++);
Ans : check the answer.
26. Using pointer, changing A to B and B to A is Swapping the function
using two address and one temperory variable. a,b are address, t is
temporary variable. How function look like?
Ans : swap(int *, int *, int)
27. In ' o' how are the arguments passed?
ans : by value.
28. Find the prototype of sine function.
Ans : extern double sin(double)
29. Scope of a global variable which is declared as static?
ans : File
30. ASCII problem
i=..
ans : 6
31 .
32. what is the o/p

32. what is the o/p

printf(" Hello \o is the world ");

Ans : Hello is the world.

33. Clarifying the concept addresses used over array ; ie changing the address of a base element produces what error?

34. child process -- fork

child shell -- sh

35. Answer are lex 7 yacc & man read these things in UNIX

36. What is

int *p(char (*s)())

Ans : p is a function which is returning a pointer to integer