

infosys 11 july 2003, IIT Roorkee. there were 10 questions.

1.i spent 10% of money that i had in my purse. then 9 % of what i had. the

sum of expenditure is 19. how much money is left in the purse?

ANS 81.

2. 2 trains of length $\frac{1}{6}$ mile each are running opposite to each other at

60 mph. how much time they will take to cross each other.

ans : 10 seconds.

3. how many ways 1,2,3,4,5,6 can be arranged on a dice if 1&3, 2&4 and 5&

6 are opposite to each other.

4.in a knockout tournament 100 teams are participating. how many matches

will be played in the tournament..

ans : 99

5. ram leaves for his school and covered $\frac{1}{4}$ distance at 7:30. after 5 min

he covered $\frac{1}{3}$ distance. what time he left the home and what time he'll

get the school.

ans: 7:15 & 8:15.

6.three Alice , Bruce and C... persons theft from a shop but caught. they

gave two statements to inspector in which only one person gave both true

statements while others one true and one false. tell who did what? statement :

alice:

bruce:

C:

i forgot the statements.

ans: Bruce's both statements are true.

7. one number decoding problem: 1,2,3,4 are to be replaced by a,b,c,d while some predicates are given.

if $a == 1$, $c != 3$.

if b

if c..., i.e, either c or d will be 2.

some more predicates.

8.in an international conference there are 5 women and only one man peter.

there were some conditions . and the problem was to what the profession of each.

INFOSYS 2001(REC,ROURKELA)

1)a man gets Rs.4/-.now he has 5 times than what he would have had if he had lost Rs.4/-.how much he had before getting Rs.4/-?

ans-Rs.6/-

2)there was dog show in which there are 196 legs and 126 eyes.how many dogs and men were there?

ans-35,25

3)a man had 100 animals(sheeps,goats & cows). he sold them all at Rs.100/-.a shep costs Rs.10/-. a goat Re.1/- & 8 cows cost Re.1/.how many no. of each animals were there?(at least one from each were there.)

ans-sheeps-7

goats- 21

cows- 72

4)there is a worm of colour(black/brown/green) & length(55 m/45 m/35 m).

>if it is not black or not of 35m length, then it is of 55m length.

>if it is not of 35m length or not black,then it is brown.

>if it is not of 45m length or not green,then it is of 55m length.

find the length & colour of the worm.

ans-55m & brown.

5)a thief goes to steal diamonds.he takes half of it plus two more

& he leaves. then the 2nd thief comes & he takes half of the remaining plus two more. similarly for 3rd & 4th thieves. but, when the 5th thief comes, he finds that only one diamond is remaining. how many no. of diamonds were there initially?

ans-76

6) a rope of 20 m length is cut into two pieces to form perimeters of 2 squares.

a) find the probability that area of the larger square is greater than equal to 9 sq.m.

b) find the probability that sum of the areas of 2 squares is greater than equal to 20.5 sq.m.

ans-a) $\frac{8}{25}$.

b) solve similarly.

soln-a)

$$4x + 4y = 20.$$

$x + y = 5$. draw the graph of this line & find the

area under the graph = $\frac{1}{2} * 5 * 5$.

area ≥ 9 .

x or y ≥ 3 . get the points satisfying this condition and

find the area

$$\text{enclosed} = 2 \left[\frac{1}{2} * 2 * 2 \right].$$

$$2 \left[\frac{1}{2} * 2 * 2 \right]$$

$$\text{probability} = \frac{\text{enclosed}}{\text{graph}} = \frac{8}{25}.$$

$$\frac{1}{2} * 5 * 5$$

b)solve similarly.

7)there are 7 persons out of which only one speaks truth.

A:day after tomorrow is wednesday.

B:today is wednesday.

C:tomorrow is wednesday.

D:today is neither monday, tuesday, wednesday.

E:tomorrow is thursday.

F:day after tomorrow is friday.

G:yesterday was not saturday.

what day it is?

ans-sunday.

8)question on horse race .there are 4 horses.the conditions are given of their order of reaching the destination & the colour they wore.(the names of the horses were given as- after dinner,catch me ,bitter twist, dare devil to confuse u)

1)After dinner reaches before bitter twist.

2)dare devil reaches 1st.

3)catch me wore red .

conditions i donot remember.find the position of the horse and the colour they wore.

ans- do not remember.

but attempt this question.quite easy.

9)ther were 5 brothers.they have gone to a soda shop to have

sodas.but only 5 sodas were ther.the big brother E
pulls the
sodas from the refrigerator without seeing it.

some conditions were there.i do not remember.
but attempt it .quite easy.

10)a very lengthy question.no body could not solve
this.it was
on a television drama which is telecast from monday
to friday.
donny gets in everyday by somebody.the events were
there.
and conditions were given .the question was so tough
that no body
could even understand the problem.so, try to solve it
at last.

it has shortlisted 80 guys.the interview results are
not out.

bye.

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1.A,B,C were gone for a trip. A visited 2.4 times
than B, B visited
6 fewer than C. Find minimum no. of trips all of them
visited.

3 Marks

Ans. 28

2.A & his family decided to go for trip for the 9
days. They did not
wish to travel too many in the first day, so they
decided they will
travel 20 kms. more every day from first day
day. They had travelled 1080 kms. at the end of 9th
day.

4 MARKS

A. How much distance they had travelled on 4th
day?

ans 100

B. How much distance they had travelled on last
day?

ans 200

3. 1,2,3,4,5,6,7,8,9 are different cities to be
connected by air
route. but condition is that two cities will be
connected if the no. formed by
them is divisible by 3 (eg. If 1 & 2 are two cities
no.

formed by them is

12, divisible by 3)

How many cities are connected to city 8, consider
interconnectivity.

3 MARKS

ans.

4.A thief entered in house for theft, he found a pile
of diamonds. He
kept half of the diamonds & 2 more. there after
second

thief entered,
kept half of the remaining & two more. Third thief
entered, kept half of
the remaining & 2 more. Fourth thief entered ,kept
half of remaining &
two more. Fifth thief entered ,found that there is
nothing remaining.

How many diamonds r there in pile

5 MARKS

Ans - 60

5. Tank is filled by 2 pipes, bigger & smaller. IF
bigger pipe open,
tank is filled in 3 hrs, if smaller is open, it is
filled in 5hrs.If
outlet pipe is open ,it is emptied in 8 hrs.If all the
three pipes r
open,what would be the volume in proportion to be
filled up in the 1.84 hrs.

4 MARKS

Ans. $(1/5 + 1/3 - 1/8) * 1.84$

6.Hare & tortoise race. They decided to run around
a
circle of dia 100
yards.They started at the same point in opp site
direction. Hare
starts after tortoise covered 1/8th of distance. Hare
meets tortoise when he
covered 1/6 of total distance.
How much faster hare should run to win the race?

4 MARKS

7. There is a CAR AUCTIONS & there r thirty bidders. 10 bidders bought less than 6 cars, 8 bought more than 7, 5 bought more than 8 & i bought more than 9. How many bidders bought 6,7,8,9 cars? 5 MARKS

Ans.-6-6, 7-6, 8-3, 9-4

8. I am following SHAKESPARES THORY that the person who is slim always speaks the truth. There r 4 persons A,B,C,D WHO MADE FOLLOWING STATENENTS.

**A- B is ligher than D
B- A is heavier than C
C- I am heavier than D
D- C is heavier than B**

**The fact is that "ONLY ONE THEM SOEAKS THE TRUTH"
Arrange the A,B,C,D in ascending order from slim to haevy.**

8 MARKS

**Ans- A
C
B
D**

9. Capton Latoof & his 4 friends decided to play

**game
of Mustak**

(shooting game)

Decide their order fulfilling following conditions.

1.CL is 3rd if RD is fifth

2.WJ didnot stand second If BC is 1st or 3rd.

3.BC is 1st if CL is 2nd & RD fourth.

4.CL is 2nd or fourth if WJ stands 2nd

8 Marks

Ans 1 2 3

4

**U have to arrange them below 1,2,3,4 &
there r only 4**

no.

**I am not able to recall it correctly, It
is better if u**

**refer this type of PUZZLES FROM GEORGE SUMMER or RAVI
NARULA. KEEP IN
MIND THEME OF PUZZLE.**

**10. I am having a company & decided to hire 5
peoples for different
jobs of DOORKEEPER, DOORKNOB CLEANER, WORKER,
WELFARE
OFFICER,BOTTLE
WASHER.**

A,B,C,D,E are 5 options.

A wishes that E should not be cleaner.

**B wishes that C neither doorkeeper nor welfare
officer**

C wishes that B either cleaner or bpttle washer

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Decide the jobs of respective fulfilling given

conditions.

**A B C D
E
JOBS**

**U have to write type of jobs below A,B,C,D,E
8 MARKS
Ans.**

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ESSAY WRITING

**MARKS 15 DURATION 15
MIN.**

TOPICS

1. INTERNET REACH TO INDIA

2. PRIVATISATION OF PUBLIC SECTOR IS NECESSARY?

**FRIENDS THIS IS KIND REQUEST TO U THAT IF U R HAVING
THIS YR. CAPUS
PAPERS ,MAIL ME AT
vijay_mali2000@yahoo.com**

vijaysmali@rediffmail.com

**VIJAY MALI
M.E.(CAD/CAM)
V.J.T.I.**

******* ALL THE BEST

--0-422736640-994748174=:62793--

Dear Friends,

**This is INFOSYS PAPER for the CAMPUS at V.J.T.I.
On 9th July 2001.
TOTAL MARKS 50**

DURATION 60 MIN.

**Total 300 candidates have appeared for written exam
and 108 were
short listed.
In the interview, in general 3 puzzles were asked;
followed by
technical questions in respective field. Also some
general questions were
asked.**

I am not remembering the correct names so abbreviated them as A,B,C...

1.A,B,C were gone for a trip. A visited 2.4 times than B, B visited 6 fewer than C. Find minimum no. of trips all of them visited.

3 Marks

Ans. 28

2.A & his family decided to go for trip for the 9 days. They did not wish to travel too many in the first day, so they decided they will travel 20 kms. more every day from first day. They had travelled 1080 kms. at the end of 9th day.

4 MARKS

A. How much distance they had travelled on 4th day?

ans 100

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5. Tank is filled by 2 pipes, bigger & smaller. IF
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> >

IITB me is saal aaya

hai infy paper

1. amit has equal no. of brothers as sisters. bina

> has twice as many

**> brothers as sis. so how many girls and boys e
there.**

>

> ans boys-4, girls 3

>

> 2.a man can get i milk bottle for every 5 empty

> bottles..he has all together

> 77 bottles. so how many milk bottles does he get.

>

> ans- 19

>

> 3. what is the angle between hour hand and minute
> hand at 3:15

>

> ans: 7.5 degree

>

> 4.the distance between two a and b cities is 99.
> between them there r 98
> posts.each having distance to a nad distance to b
on

> each side. how many
> posts r there with only 2 digits.(e.g. 18,81)

>

> ans: 18

>

> 5. a bus can run at a max speed of 100kmph. at
max

> there can be 7
> passengers. when there were 3 passengers its
speed

> was 88kmph. what will its
> speed be when there r 6 passengers. speed
decreases

> proportionally.

>

> ans. 76 check

>

> 6. there were 4 brothers a,b,c,d.. each has 2
dogs..

> and they keep the names
> of the dogs on there brothers name. 3 variety of
> dogs r there.

> 3 are car.. 3 snif... 2 dash .

> some conditions r given
> u have to find out who have dash.. and what r the
> name of those dash

>

> ans: i wrote b and c had dash and names are a and
> c.. but u check

>

> 7. there r six pieces weighing... 15, 16,18,19,
> 20,31. five pieces are of
> ch.. and one of ma...a man had bought 2 pieces of
> ch... nad the other some
> pieces of ch. the total wt of second man pieces r
> twice as that of first
> one. whats the wt. of the piece of ma..

>

> ans: 20

>

> 8. letters a, b, c.....x r denoted by some no.

> then wahts the product of

> $(x-a)*(x-b)*.....(x-z)$

>

> ans: 0

>

> 9. there r 4 gals in a clas. b says she has i
more

> prize than the other

> girl. one says to the other she has 2 more than
her.

> another says she hs 3

> more than hers...till six more....total prizes r
27

> how many prizes b is having.

>

> ans:5

>

> 10: some q on dj... its an easy q and u can
easily

> figure out. attempt it..

> it carries 8 marks

> some conditions r given..

> very easy straight fwd..

>

>

> essay-

> 1-power&politics

> 2-how education can be implemented in work life.

>

> good luck to u all
> names in this paper may be diff. but q r similar

mbt

HI
MBT IS HAVING THREE SETS OF QUESTION PAPER.WE HAVE
MANAGED TO GET
70 -80 %OF THE TWO SETS BUT WE COULD NOT GET THE
FIRST
SET.THE QP IS
GIVEN THE NUMBER WHICH IS 6 DIGIT AND THE LAST DIGIT
IS 1 ,2,3 IN THE
3 SETS RESPECTIVELY.WE HAVE 2 AND 3 TRY FOR 1 FROM
AMRITHA THEY HAVE
VISITED AMRITHA TODAY AND BE READY.KRITHIGA DONOT
WORRY WE WILL DO IT.
OK
WITH TONS OF LUV and all the best,

model 1

Section i -10 min

1) 60 gm 30% win ^Aug to 50%. HOw my with no attain
50%?

12,20,24,30,45

2)M Men agreed for \$d gift 3 drop. How much more will
each have to
contribute

$D/M-3$, $MD/3$, $3D/m^2-3m$, $3d/m^2-3m$, $3d/3m-m^2$, $2m+$
 $dm/3m-m^2$

3) Rectangle high tank 25" * 9". Water filled to 2".

This water
 poured to an cylindrical water container with dia
 10". How high
 will the water be in cylinder container.
 18p,p/18,18/p,9/2p,9p/2.
 4) Find the smallest $\frac{1}{7}, \frac{1}{8}, \frac{2}{9}, \frac{3}{11}, \frac{4}{13}$
 5) 12 men, half belong to a club. $\frac{1}{3}$ belong to B, $\frac{1}{4}$
 belong to
 both. How many within 3,4,5,6,8
 6) $x^2+2x+8=0$ then x is neither -4 or -2,-1,0,2,8
 7) NR and Dr of a fraction are in ration 2:3. if 6 is
 subtracted from
 Nr the result will be a fraction that has a value $\frac{2}{3}$
 of original
 fraction. the Nr. of original fraction is 4,6,9,18,27
 8) In a triangle, base -b, attribute A. Second
 triangle with base twice
 the altitude of 1st triangle and attitude twice the
 base of 1st
 triangle. Area of 2^{n1} .
 11) 3 cannot in diff cage. Each cage 3 cavels with
 digit nonzero
 no., No ard has same no., and no 2 cage has 2 cards
 with digit.
 total ten. total of 3 candy in 1 cage greeting

 section II - 10 min

1) 5 9 7
 2 10 3 11 36 7 9 ? 5
 4 8 8

2) 4 2
 6 10
 ? 5
 9 7

3) fig seq
 4) 1,3,8,19,42,89,?

- 5) Ans E
 6) 7 16 12 8 16 10 9 ?
 7) fig seq
 8) 192,221,?,285,320
 9)
 10) 21,34,?,89,144

Section iii

- 1) 5 friends A shorter than B but taller than E. C is tallest and D is little shorter than A. which one is shortest?
 2) 5 person A-E one horticulture,physicst,journalist, industry, advocate.
 1) a,c advocate prefer tea to coffee
 2) B and the journalist prefer coffee to tea
 3) The industry and the D and A are friends of one another
 4) The horti is c's brother
 5) horti is neither friend of A as likes coffer or tea
 6) Physict is the friend of A but doesn't like coffee
 7) Advocates is not friend of A
 2)who is horti? A B C D E
 3) who is journalist?
 4) Who is physicist?
 5) which of the following indeeds the person who likes tea and is also advocate?

There is 4F, one father and son in each of smith tones and brown families. Each of 9 is plumber,joiner, bricklayer. GF smith in a joiner and no one wih surnams jones has a son or gs. who is bricklayer but someone with surname Brown has a father who is a brick layer. No are key the occupation of father

grandfather son ,
grandson. No 2 SF father son have same occur when is
the occur
of tones who is not father?

11) All lambs are lions. All lions are elephants
c1-> all lambs are elephants. All elephants are
lamb

12) All cars are not trains. All cars are 4 wheeled
vehicles

c1-> all trains are not 4 wheeled.

c2) some trains are 4 wheeled

13) If he helps 1 will help him. but he doesn't help
me.

c1) will help him

c2) i willn't help him

14) All horse are donkey. No donkey is a man

c1) No horse is man

c2) no man is horse

15) electricians are mechanics. Mechanics are hard
awking.

c1) Electricity are hard working

c2) some hard working are electricians

A-> throw a dice if < 4 sure 1 = 4 sure 2.74 sure
3

b-> if last throw was less than 4 and present throw
is

less than

4 sore fero; =4 sore 1 more than 4 score 2

MODEL 2

1. The price of a share increased by 20% in 1981 and

10% in 1982 by
approx what %
would the price at the end of 1982 have to be decrease
to restore the
price of the share of its pre 1981 price?

2. In a group of 15, 7 can speak spanish 8 can speak
French, and 3 can
speak neither.
What fraction of the group can speak both?

3. If it is a fre int and it reminders of 4 and 6 are
obtained when 89
and 125 rest are divided by a then a.

4. If the result obtained by multiply a number x by a
number less than
itself is 4 less then multiplying x by itself then x .

5. A jogger desires to run a certain course in $\frac{1}{4}$
less time than she
usually takes. By what percent must she increase her
average running
speed to accomplish the goal.

6. A stize seller 5 different kinds of nuts. It is
possible to buy x
pounds of the most experience nuts for \$3.2 and x
pounds of the cheapest
nuts for \$1.40 then which of the toolll could be the
cost of purchaseing
mistree contians x pounds of each
\$1.76, 2.84, 3.54, 13.60, 16.00.

7. pen and pencil set costs \$12 the same as then the items are bought separately. if the pen costing \$11 more than pencil, what is the cost of the pencil.

8. If a certain office each day the number of cases to be handled is divided evenly among p workers. If $\frac{1}{s}$ of the workers are absent and the cases they would have handled are divided among the workers present. the increase in the share of each of the a labourer is paid \$8 per hour for an 8 hour day and 1.5 times that rate

10. What is the maximum number of glass that can be placed rectangular on a table $48'' * 32''$.

VI). Can i reach from A to B before 11

i) the distance is 45 km .

ii) A bus takes 90 minutes to go from A to B and the time for is 8.30 a.m.

5) How much X earn in december.

i) earned Rs 500 on an average per month during the years

ii) earning in the month of dec was double of the average earnings of remaining 11 month

6) What is the radius of the wheel of train?

i) the number of revolutions made by it while travelling from A to B is 1500.

ii) It is had travelled one more than, it would have revolved 760m more time.

7) Who received minimum of Rs 385 are died away m and A and K

i) m received 219 what A and K receive together.

ii) A received 3111 what m and together received.

8) How many ways can a group of photo of l and k with their 3 friend.

10) if a,b,c and +ve.

pcs

the QP is in as follows but it is not in correct sequence so first see

the qp in the test and since there will be enough time u also solve the

qp.

1. Number of Weights needed for weighing 1 to 40 kgs?

27 9 3 1 ans : 4

2. Venn diagram problem venndiagram find the formulae.

Ans. $ABC' + AB'C + A'BC$

3. $a+2b=6, ab=4$ $2/a + 1/b=?$

ans : $3/2$

4. age of 4 persons given in a relation find smallest age?

ans : meera

5. find floating point result

(float)25/2, float(25/2), 25/float(2) ,25/2

ans: 1 & 3

6. find equivalent $*(s+x)+y == \> s[x][y]$

ans : content of $s[x][y]$

7. find invalid statement : int a[3]

1. scanf("%d",a[2]);

2. scanf("%d",&a[2]);

3. scanf("%d",a);

4. all

ans : 1

8.one palindrome programme was given in recursion

ans : $t(t+1,f-1)$

9. main program:

```
i=foo(2) foo(int s)
{
if(!s)
return s;
else
{ int i=5; return i}
}
ans : 5
```

10.Ans.

ordere of sequence fetch, decode,read
data,execute,stroe

11.

```
k=0 i=0j=1;
if(i<j) &&(j>0)&&(k=2)
printf(k);
if(i<j || j>0 || k=0)
printf(k)
```

ans: 2 2

**12. radius of sphere given , find ratio of cube 's
surface area and
cube sphere surface area
ans: $\pi/6$**

**13. teacher in math=4 p6=3 kmistry=3 each can take 2
subject minimum
teacher needed for school
ans : 5**

14. 3 vowels,4 consonents formulate string of 6 letters with a vowel in a string max no of string ?
ans: 5040

15.binnary of .6875.
0.1011

16. man walks at speed of 8 km/h 300 mtrs length train crosses man in 30 sec from back, find speed of train
ans: 44 km/hr

17. chess corner
ans : 31

18,
input : " this is the line."

```
main()  
{  
char ch;  
int count=0;  
while((ch = getch() != '\n')  
{  
while (ch == ' ')  
ch = getch();  
while((ch!=' ' ) && (ch!='.'))  
{  
count++;  
ch=getch();  
}  
}
```

ans : 11

**19. radius of a circle is 5cm , if we draw a rectangle of maximum size,
what is the area of rectangle**

ans : 50 cmsq

one ques missing. Total 20 to be solved in 50 min..

Short listed have to appear for GD which includes filtration. GD :

1. Report to the commisioner about the Corporation Probs,

2. 5 things that u will consider while starting a company,

**3. there is a ship u r given five persons and u have to send only three
whom
will u send and why (Doctor, Engineer, lawer etc.),**

4. what are the qulification required to have a high standards.

5.men are from mars and women are from venus.

**6.what are the necessary steps should the senior management should
take when the company has just launched and going to produce a software
product.**

**then u have a psychometric test for the gd
short-listed who will have
to go thru
interview. Interview was very formal and was very
personal rather than
technical**

**nothing more
Good luck**

**hcl paper
I BuSINESS ANALYTICAL TEST**

**In each of the following questions, a related pair of
words are given
followed by 5 pairs of words.
Select the pair that best expresses a relationship
similar to that
expressed in the original pair.**

- 1. Mode : Style**
 - a. truth : fibbing**
 - b. falsehood : lying**
 - c. promise : breaking**
 - d. dream : waking**
 - e. walk : jumping**

- 2. Expletive : Swearing**
 - a. divide : separate**
 - b. method : guidance**
 - c. path : arrangement**
 - d. athletics : football**

e. diet : cucumber

3. Blue print : Draft

a. proposal : outline

b. poem : script

c. copy : original

d. story : pen

e. strategy : scheme

ans:(e)

Each of these sentences is followed by a set of alternatives.

Select the choice which best completes the sentence.

4. Freedom can be by the tyrant or by the bureaucrat

a. withheld - upheld

c. granted - taken

b. crushed - cherished

d. squashed - suffocated

ans:(b)

5. Owing to our extreme ethnic and social, the question of languages

and territoriality have always generated a lot of

a. cohesion - unanimity c. consciousness - hypocrisy

b. diversity - controversy d. heritage - division

ans:(b|d)

6. We have a responsibility to deal with present issues,

th a complete understanding of their impact on the

generations.

a. historical - coming

c. moral - future

b. national - bygone

d. ethical - future

ans:(c)

The questions below consist of a group of sentences followed by suggested arrangements. Select the best sequence.

7. 1. In the face of all this, a potential predator can hardly be blamed for not realizing that the lizard is harmless.
2. The frill stands out in a disc upto 2 feet across.
3. The lizard adds to its alarming increase in apparent size by opening its mouth to reveal a bright yellow interior, and hisses loudly.
4. When alarmed, the Australian frilled lizard which is 3 feet long, raises a frill which normally lies flat along the neck.
5. Many animals have found that the next best thing to being fierce is looking fierce.

a. 45321

b. 54231

c. 51243

d. 34215

e. none

ans:(d)

1. In fact, in the modern industrial economy, with i

1. Eligibility (60% and above thro' out)

2. Aptitude test

3.Gd

4.Language test

5.interview

syntel is coming on 21 & oracle is coming on 31th of july.if yo have

any idea about these companies please inform.

here i'm sending question of infosys this year

Q1) puzzle no. 2 from shakutla devi.(book:puzzle to puzzle u)ANS 28(DATA ARE CHANGED) 3 MARKS

Q 2) A lady go up hill with 2 mile per hour,and come down with 4 m/p

she takes 6 hours in this .find the distance of one side.ANS 8 MILES

3)four person ANDY ,BRAIN,CEDRIC&DAVE. 3 MARKS

THERE OCCUPATION ARE

ARCHIOLOGIST,BARBER,CASEWORKER,DENTIST NOT IN ORDER.

i)AT LEAST ONE PERSON HAVE OCCUPATION STARTING WITH

NAME,BUT NOT ALL

ii)NAME OF ARCHIOLOGIST DOES NOT CONTAIN 'r'.

iii)NAME OF BARBER & DENTIST SHARE EXACTLY ONE LETTER

COMMON

FIND THERE RESPECTIVE OCCUPATION

ANS: ANDY(ARCHIOLOGIST)

BRIAN (DENTIST) (4 MARKS)

CEDRIC(CASE WORKER)

DAVE (BARBER)

4) $16*12*2*3=99$ (4 MARKS)

PUT PROPER MATHEMATICAL OPERATION IN PLACE OF

'*'.(+,-./,*)

ANS $16 \times 12/2 + 3 = 99$

5)THREE GOLFER TOM ,HARRY,DICK ARE STANDING IN A LINE.TOM IS THE BEST PLAYER AND ALWAYS TELL TRUTH,HARRY IS THE WORST PLAYER AND ALWAYS TELL FALSE,* DICK SOME TIMES TELL TRUTH & SOME TIME FALSE

NOT IN ORDER

FIRST PERSON IN LINE SAYS MIDDLE PERSON IS HARRY.

MIDDLE PERSON SAYS I AM DICL.

LAST PERSON SAYS MIDDLE PERSON IS TOM.

WHO IS WHO.

ANS) FIRST -TOM (4 MARKS)

MIDDLE -HARRY

LAST -DICK

6)A MATHEMATICIAN BOUGHT THREE ARTICAL FROM A SHOP.

INSTESD OF ADDING THE PRICE OF ALL 4 ARTICLES SHOPKEEPER MULTIPLY THE PRICE OF ARTICLES AND THE RESULT IS SAME AS IT SHOULD COME AFTER ADDITION. ONE ARTICAL COST Rs 1.5 AND TOTAL COST OF 4 ARTICAL IS 6.75.

FIND THE COST OF OTHER THREE ARTICAL

ANS) 2.25,2,1 (6 MARKS)

7)TWO PERSONS ARE STANDING IN A STATION BACK TO BACK.AS THE TRAIN COME THEY START WALKING IN OPPOSITE

DIRECTION.ONE PERSON TRAVEL 30 METER AND OTHER 40 METER BEFORE TRAIN CROSS THEM .SPEED OF MAN ARE SAME

AND SPEED OF TRAIN IS CONSTANT.ANS (240) (6 MARKS)

8)A ARTIST HAS SOME PICTURES NAME T,U,V,W,X,Y,Z.HE CAN SHOW ANY COMBINATION HE WANTS BUT THERE ARE SOME CONDITION

1) IF HE SHOW T THEN HE CAN NOT SHOW X.

2) IF HE SHOW U THEN Y MUST BE THERE.

3) IF HE SHOW V THEN X MUST BE THERE,

AFTER THAT THERE ARE SOME SIMPLE Q. I DON'T REMEMBER. YOY MUST DO THIS Q. BECAUSE THS CONTAINS 8 MARKS.

9) A Q. RELATED TO KING AND SEVEN QUEEN ,I DON'T REMEMBER QUESTION.

QUESTION IS VERY TOUGH DO NOT TRY TO SOLVE THIS.

10) 16 LEE & 10 JEE DO 510 TORRS IN 10 HOURS & 10 LEE

& 6 JEE DO 480 TORR IN 12 HOUR. FIND EACH RATE /HOUR OF EACH.

best of luck

=====MBT SET 3 T - 2001 103

**-----
if u get set-3 i.e T2001103 BOOKLET THEN JUST TIC THE ANSWER...
AND GET READY FOR GD AND INTERVIEW.**

**-----
Section 1**

. a c d b d e a c d c b d b c a a d

Section 2

15, 16, e, 31, d, 2, c, 289, c, 197

Section 3

D, e, a, a, b, c

Section 4

B, a, d, b, a, e, b, a, d

Section 5

D, c, a, b, b, a, c, d

Section 6

C, e, d, e, c, a, d, c, a, b

pagE mbt1.txt

Section 1 Quants Time 10minutes

1. In a group of 15, 7 can speak Spanish, 8 can speak French, 3 can neither.

What set of fraction both French and Spanish.

.a) $\frac{1}{5}$ b) $\frac{4}{15}$ c) $\frac{1}{3}$ d) $\frac{7}{15}$ e) $\frac{2}{3}$ Ans- >a

2) A yoga desires to run a certain course in $1\frac{1}{4}$ less time than she

usually

takes by what percent must she increase her average speed to accomplish

his goal.

.a) 20% b) 25% c) $33\frac{1}{3}$ d) 40% Ans- >c

3) If the result of 10 by multi number, x by a number 1 less than

itself is

4 less than multiple x by itself than $x = \text{ans} = 4$

a) 1 b) 2 c) 3 d) 4 e) 5

4) For a certain police percentile of cases solved in January was 70%

and the

% of cases solved for February was 80%. If the percentage of cases

solved

for both months combines was 78%, what was the ratio of no of cases in

January to feb.

a) $\frac{1}{5}$ b) $\frac{1}{4}$ c) $\frac{1}{2}$ d) $\frac{5}{4}$ e) $\frac{6}{5}$ ans = $\frac{1}{4}$

5) If an isosceles right angle is inscribed in a circle. What is the

ratio of

the area of the circle to the area of the triangle.

a) 1 b) $\frac{1}{2}$ c) $\frac{\pi}{2}$ d) π e) 2π ans-- > π

6) If A and B are positive integer than $a^3 * b^2 = 72$ then $a + b =$

a) 36 b) 17 c) 8 d) 6 e) 5 ans = 5

7) A painter has painted $\frac{1}{3}$ of a rectangular wall which is 10 feet

high.

When the painted another 75 sq feet of the wall she

will be $\frac{3}{4}$

finished her

job. What is the horizontal dimension of the wall.

a) 18 feet b) 12 feet c) 10 feet d) 9 feet e) 6 feet

ans = 18

8) The value of a certain office machine depreciation is such a way that its

value at the end of each year is $\frac{4}{5}$ of its value at the

beginning of the same year. If the initial value of the machine is

\$8000, what is the value at the end of the year.

a) \$4750.25 b) \$4000 c) \$2500 d) \$2000 e) \$640 ans \$2500

9) If A is a positive integer and its remainder are obtained when 4 and 6 are

obtained when 89 and 125 are divided by A, then A =

a) 7 b) 9 c) 15 d) 17 e) 19 ans --> 17

10) If the operation Q is defined by the equation $x Q y = 2x + y$, what is the

value of A in the equation $2 Q A = A Q 3$.

a) 0 b) -1 c) 1 d) 1.5 ans = 1

SECTION 2 10 minutes

4) 31, 28, ?, 30, 31

5) ans d

6) 3 sections 2 circles 1 circle ? = 2

7) ans c

8) 169 225 ? 361 441 ans 289

9) one star one square 3 squares ans c

10) What is the next number in the following series

23, 48, 84, 133, ? ans 197

SECTION 3 5 MINUTES

1) Mr. Bhindra walked 10 yards down X street. He then turned to the left and

walked 10 yards down Y street. he again turned to his left and walked

10 yards

down z street. Then he turned to his left and walked 15 yards down the

another

street. Then her turn to his left and walked 10 yards down that street,

again

she turned towards the left and walked 5 yards. In which street she is

in.

a) X b) Y c) Z d) another street ans=d

A passage given and five question so if the passage starts by this

pattern answers are e, a, a, b, c

2) A debating team of three members is to be selected among the group

session consisting of MNOP and

e, a, a, b, c.

SECTION 4

problems & conditions

Two flowcharts are given have to answer the questions.

1 A dice is thrown

throw dice 'A' if < 4 score 1 pt

= 4 score 2 pts

> 4 score 3 pts

'B' if last than of the left th...

if < 4 score no points

2 player A and B draw balls coloured Red and Yellow

A always start first

If a red ball is drawn player gets Rs 100

if a yellow ball is drawn player gets Rs 200

SECTION 5 10 minutes

Given big passages three passages

d, c, a, B, b, a, c, d.

SECTION 6 5 minutes Ans-->(C, e, d, e, c, a,

d, c, a, b)

a) i alone sufficient

b) ii alone sufficient i is not sufficient

- c)both together are sufficient
 d)if any one of the two is sufficient
 e) both are not sufficient
- 1) How many fair tickets are sold if the recive was 21,000
 1) 100 books sold each book contains 50 %
 2) 1 Re ticket 50 % of 2 Rs ticket Ans->C
 2) How many books are there in book shelf
 1) the everst weight of the book is 0.7kg
 2) the wieght of the book & the book self is 85 kg
 Ans->e
 3) If the population of the certain country is 10% more than it was 10 years back & 5% more it was 4 years ago, what is the increase in population in the last two years.
 i) population 4 years ago was 22 million
 ii) population of 10 years was 18 million Ans->d
 4) when one ball is drawn at random from your container of 25 balls what is a chance that it is red
 i)the yarn contains 10 yellow and 8 green balls
 ii) the yarn contains all coloured balls Ans-> e
 5) Sonia and thania share a room on rent in proportion

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/******

1.A,B,C were gone for a trip. A visited 2.4 times than B, B visited 6 fewer than C. Find minimum no. of trips all of them visited.

3 Marks

Ans. 28

2.A & his family decided to go for trip for the 9 days. They did not wish to travel too many in the first day, so they decided they will travel 20 kms. more every day from first day. They had travelled 1080 kms. at the end of 9th day.

4 MARKS

A. How much distance they had travelled on 4th day?

ans 100

B. How much distance they had travelled on last day?

ans 200

3. 1,2,3,4,5,6,7,8,9 r different cities to be connected by air route. but condition is that two cities will be connected if the no. formed by them is divisible by 3 (eg. If 1 & 2 r two cities no. formed by them is 12, divisible by 3)
 How many cities r connected to city 8, consider intrconnectivity.
3 MARKS
 ans.

4. A thief entered in house for theft, he found a pile of diamonds. He kept half of the diamonds & 2 more. there after second thief entered, kept half of the remaining & two more. Third thief entered, kept half of the remaining & 2 more. Fourth thief entered, kept half of remaining & two more. Fifth thief entered, found that there is nothing remaining.
 How many diamonds r there in pile
5 MARKS
 Ans - 60

5. Tank is filled by 2 pipes, bigger & smaller. IF bigger pipe open, tank is filled in 3 hrs, if smaller is open, it is filled in 5hrs. If outlet pipe is open, it is emptied in 8 hrs. If all the three pipes r open, what would be the volume in proportion to be filled up in the 1.84 hrs.

4 MARKS

Ans. $(1/5 + 1/3 - 1/8) * 1.84$

6. Hare & tortoise race. They decided to run around a circle of dia 100 yards. They started at the same point in opposite direction. Hare starts after tortoise covered $1/8$ th of distance. Hare meets tortoise when he covered $1/6$ of total distance. How much faster hare should run to win the race?

4 MARKS

7. There is a CAR AUCTIONS & there r thirty bidders. 10 bidders bought less than 6 cars, 8 bought more than 7, 5 bought more than 8 & i bought more than 9. How many bidders bought 6,7,8,9 cars?
5 MARKS

Ans.-6-6, 7-6, 8-3, 9-4

8. I am following SHAKESPARES THORY that the person who is slim always speaks the truth. There r 4 persons A,B,C,D WHO MADE FOLLOWING STATENENTS.

A- B is ligher than D

B- A is heavier than C
C- I am heavier than D
D- C is heavier than B

The fact is that "ONLY ONE THEM SOEAKS THE TRUTH"
Arrange the A,B,C,D in ascending order from slim to
haevy.

8 MARKS

Ans- A

C

B

D

9. Capton Latoof & his 4 friends decided to play
game
of Mustak
(shooting game)
Decide their order fulfiling following conditions.

1.CL is 3rd if RD is fifth
2.WJ didnt stand second If BC is 1st or 3rd.
3.BC is 1st if CL is 2nd & RD fourth.
4.CL is 2nd or fourth if WJ stands 2nd
8 Marks

Ans 1 2 3

4

U have to arrange them below 1,2,3,4 &
there r only 4
no.
I am not able to recall it correctly, It
is better if u

refer this type of PUZZLES FROM GEORGE SUMMER or RAVI NARULA. KEEP IN MIND THEME OF PUZZLE.

10. I am having a company & decided to hire 5 peoples for different jobs of DOORKEEPER, DOORKNOB CLEANER, WORKER, WELFARE OFFICER, BOTTLE WASHER.

A,B,C,D,E are 5 options.

A wishes that E should not be cleaner.

B wishes that C neither doorkeeper nor welfare officer

C wishes that B either cleaner or bottle washer

D wishes that C should be worker.

Decide the jobs of respective fulfilling given conditions.

A B C D

E

JOBS

U have to write type of jobs below A,B,C,D,E
8 MARKS

Ans.

I am not able to recall it correctly, It is better if u refer

this type of PUZZLES FROM GEORGE SUMMER or RAVI NARULA. KEEP IN MIND THEME OF PUZZLE.

ESSAY WRITING

**MARKS 15 DURATION 15
MIN.**

TOPICS

1. INTERNET REACH TO INDIA

2. PRIVATISATION OF PUBLIC SECTOR IS NECESSARY?

**FRIENDS THIS IS KIND REQUEST TO U THAT IF U R HAVING
THIS YR. CAPUS
PAPERS ,MAIL ME AT
vijay_mali2000@yahoo.com
vijaysmali@rediffmail.com**

**VIJAY MALI
M.E.(CAD/CAM)
V.J.T.I.**

******* ALL THE BEST

--0-422736640-994748174=:62793--

Dear Friends,

**This is INFOSYS PAPER for the CAMPUS at V.J.T.I.
On 9th July 2001.
TOTAL MARKS 50**

DURATION 60 MIN.

**Total 300 candidates have appeared for written exam
and 108 were
short listed.**

**In the interview, in general 3 puzzles were asked;
followed by
technical questions in respective field. Also some
general questions were
asked.**

**I am not remembering the correct names so abbreviated
them as A,B,C...**

**1.A,B,C were gone for a trip. A visited 2.4 times
than B, B visited
6 few than C.Find minimum no. of trips all of them
visited.**

3 Marks

Ans. 28

**2.A & his family decided to go for trip for the 9
days. They did not
wish to travel too many in the first day, so they
decided they will
travel 20 kms. more every day from first day
day.They had travelled 1080 kms. at the end of 9th
day.**

4 MARKS

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ans 100

B. How much distance they had travelled on last day?

ans 200

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How many cities r connected to city 8 ,consider intrconnectivity.

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4 MARKS

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A- B is lighter than D
B- A is heavier than C
C- I am heavier than D
D- C is heavier than B

The fact is that "ONLY ONE OF THEM SPEAKS THE TRUTH"
Arrange the A,B,C,D in ascending order from light to heavy.

8 MARKS

Ans- A

C

B

D

9. Captain Latoof & his 4 friends decided to play game

of Mustak

(shooting game)

Decide their order fulfilling following conditions.

1. CL is 3rd if RD is fifth

2. WJ did not stand second If BC is 1st or 3rd.

3. BC is 1st if CL is 2nd & RD fourth.

4. CL is 2nd or fourth if WJ stands 2nd

8 Marks

Ans 1 2 3

4

**You have to arrange them below 1,2,3,4 &
there are only 4**

no.

I am not able to recall it correctly, It is better if u

refer this type of PUZZLES FROM GEORGE SUMMER or RAVI NARULA. KEEP IN MIND THEME OF PUZZLE.

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D wishes that C should be worker.

Decide the jobs of respective fulfilling given conditions.

A B C D

E

JOBS

**U have to write type of jobs below A,B,C,D,E
8 MARKS**

Ans.

I am not able to recall it correctly, It is better if u refer

this type of PUZZLES FROM GEORGE SUMMER or RAVI NARULA. KEEP IN MIND THEME OF PUZZLE.

& &

**

*

IITB me is saal aaya

hai infy paper

1. amit has equal no. of brothers as sisters. bina

> has twice as many

**> brothers as sis. so how many girls and boys e
there.**

>

> ans boys-4, girls 3

>

> 2.a man can get i milk bottle for every 5 empty

> bottles..he has all together

> 77 bottles. so how many milk bottles does he get.

>

> ans- 19

>

> 3. what is the angle between hour hand and minute

> hand at 3:15

>

> ans: 7.5 degree

>

> 4.the distance between two a and b cities is 99.

> between them there r 98

**> posts.each having distance to a nad distance to b
on**

> each side. how many

> posts r there with only 2 digits.(e.g. 18,81)

>

> ans: 18

>

> 5. a bus can run at a max speed of 100kmph. at

max

> there can be 7

**> passengers. when there were 3 passengers its
speed**

> was 88kmph. what will its

> speed be when there r 6 passengers. speed

decreases

> proportionally.

>

> ans. 76 check

>

> 6. there were 4 brothers a,b,c,d.. each has 2 dogs..

> and they keep the names

> of the dogs on there brothers name. 3 variety of

> dogs r there.

> 3 are car.. 3 snif... 2 dash .

> some conditions r given

> u have to find out who have dash.. and what r the

> name of those dash

>

> ans: i wrote b and c had dash and names are a and

> c.. but u check

>

> 7. there r six pieces weighing... 15, 16,18,19,

> 20,31. five pieces are of

> ch.. and one of ma...a man had bought 2 pieces of

> ch... nad the other some

> pieces of ch. the total wt of second man pieces r

> twice as that of first

> one. whats the wt. of the piece of ma..

>

> ans: 20

>

> 8. letters a, b, c.....x r denoted by some no.

> then wahts the product of

> $(x-a)*(x-b)*.....(x-z)$

>

> ans: 0

>

> 9. there r 4 gals in a clas. b says she has i

more

> prize than the other

> girl. one says to the other she has 2 more than her.

> another says she hs 3

> more than hers...till six more....total prizes r

27

> how many prizes b is having.

>

> ans:5

>

> 10: some q on dj... its an easy q and u can easily

> figure out. attempt it..

> it carries 8 marks

> some conditions r given..

> very easy straight fwd..

>

>

> essay-

> 1-power&politics

> 2-how education can be implemented in work life.

>

> good luck to u all

> names in this paper may be diff. but q r similar

mbt

HI

**MBT IS HAVING THREE SETS OF QUESTION PAPER.WE HAVE
MANAGED TO GET**

**70 -80 %OF THE TWO SETS BUT WE COULD NOT GET THE
FIRST**

SET.THE QP IS

**GIVEN THE NUMBER WHICH IS 6 DIGIT AND THE LAST DIGIT
IS 1 ,2,3 IN THE**

**3 SETS RESPECTIVELY.WE HAVE 2 AND 3 TRY FOR 1 FROM
AMRITHA THEY HAVE**

VISITED AMRITHA TODAY AND BE READY.KRITHIGA DONOT

**WORRY WE WILL DO IT.
OK
WITH TONS OF LUV and all the best,**

model 1

Section i -10 min

1) 60 gm 30% win \wedge Aug to 50%. How many with no attain 50%?

12,20,24,30,45

2) Men agreed for \$d gift 3 drop. How much more will each have to contribute

$D/M-3$, $MD/3$, $3D/m^2-3m$, $3d/m^2-3m$, $3d/3m-m^2$, $2m+dm/3m-m^2$

3) Rectangle high tank 25" * 9". Water filled to 2". This water

poured to an cylindrical water container with dia 10". How high will the water be in cylinder container.

$18p/p/18, 18/p, 9/2p, 9p/2$.

4) Find the smallest $1/7, 1/8, 2/9, 3/11, 4/13$

5) 12 men, half belong to a club. $1/3$ belong to B, $1/4$ belong to both. How many within 3,4,5,6,8

6) $x^2+2x+8=0$ then x is neither -4 or -2,-1,0,2,8

7) NR and Dr of a fraction are in ration 2:3. if 6 is subtracted from

Nr the result will be a fraction that has a value $2/3$ of original

fraction. the Nr. of original fraction is 4,6,9,18,27

8) In a triangle, base -b, attribute A. Second triangle with base twice

the altitude of 1st triangle and attitude twice the base of 1st

triangle. Area of 2^n .

11) 3 cannot in diff cage. Each cage 3 cavel with digit nonzero

no., No card has same no., and no 2 cage has 2 cards with digit.

total ten. total of 3 candy in 1 cage greeting

section II - 10 min

1) 5 9 7

2 10 3 11 36 7 9 ? 5

4 8 8

2) 4 2

6 10

? 5

9 7

3) fig seq

4) 1,3,8,19,42,89,?

5) Ans E

6) 7 16 12 8 16 10 9 ?

7) fig seq

8) 192,221,?,285,320

9)

10) 21,34,?,89,144

Section iii

1) 5 friends A shorter than B but taller than E. C is tallest and

D is little shorter than A. which one is shortest?

2) 5 person A-E one horticulture, physicist, journalist, industry, advocate.

1) a,c advocate prefer tea to coffee

2) B and the journalist prefer coffee to tea

3) The industry and the D and A are friends of one another

4) The horti is c's brother

5) horti is neither friend of A as likes coffee or tea

- 6) Physicist is the friend of A but doesn't like coffee
 7) Advocate is not friend of A
 2) who is horti? A B C D E
 3) who is journalist?
 4) Who is physicist?
 5) which of the following indeeds the person who likes tea and is also advocate?

There is 4F, one father and son in each of smith tones and brown families. Each of 9 is plumber, joiner, bricklayer. GF smith in a joiner and no one with surnams jones has a son or gs. who is bricklayer but someone with surname Brown has a father who is a brick layer. No are key the occupation of father grandfather son , grandson. No 2 SF father son have same occur when is the occur of tones who is not father?

- 11) All lambs are lions. All lions are elephants
 c1> all lambs are elephants. All elephants are lamb
 12) All cars are not trains. All cars are 4 wheeled vehicles
 c1> all trains are not 4 wheeled.
 c2) some trains are 4 wheeled
 13) If he helps 1 will help him. but he doesn't help me.
 c1) will help him
 c2) i willn't help him
 14) All horse are donkey. No donkey is a man
 c1) No horse is man
 c2) no man is horse
 15) electricians are mechanics. Mechanics are hard awking.

- c1) Electricity are hard working
 c2) some hard working are electricians

A> throw a dice if < 4 sure 1 = 4 sure 2.74 sure 3
 b=> if last throw was less than 4 and present throw is less than 4 score 1 more than 4 score 2

MODEL 2

1. The price of a share increased by 20% in 1981 and 10% in 1982 by approx what % would the price at the end of 1982 have to be decrease to restore the price of the share to its pre 1981 price?

2. In a group of 15, 7 can speak spanish 8 can speak French, and 3 can speak neither. What fraction of the group can speak both?

3. If it is a fre int and it reminders of 4 and 6 are obtained when 89 and 125 rest are divided by a then a.

4. If the result obtained by multiply a number x by a number less than itself is 4 less then multiplying x by itself then x.

5. A jogger desires to run a certain course in $\frac{1}{4}$ less time than she usually takes. By what percent must she increase her average running speed to accomplish the goal.

6. A store seller 5 different kinds of nuts. It is possible to buy x pounds of the most expensive nuts for \$3.2 and x pounds of the cheapest nuts for \$1.40 then which of the following could be the cost of purchasing x pounds of each \$1.76, 2.84, 3.54, 13.60, 16.00.

7. A pen and pencil set costs \$12 the same as then the items are bought separately. If the pen costing \$11 more than pencil, what is the cost of the pencil.

8. If in a certain office each day the number of cases to be handled is divided evenly among p workers. If $\frac{1}{s}$ of the workers are absent and the cases they would have handled are divided among the workers present. The increase in the share of each of the a labourer is paid \$8 per hour for an 8 hour day and 1.5 times that rate

10. What is the maximum number of glass that can be placed rectangular on a table $48'' \times 32''$.

VI). Can i reach from A to B before 11

i)the distance is 45 km .

ii)A bus takes 90 minutes to 20 to m A to B and the time for is 8.30 a.m.

5) How much X earn in december.

i) earned Rs 500 on an average per month during the years

ii)earning in the month of dec was double of the avrage earns of remaining 11 month

6) What is the radius of the wheel of train?

i) the number of revolutions made by it while travelling from A to B is 1500.

ii) It is had travelled one more than, it would have revolver 760m more time.

7) Who received miimum of Rs 385 are died away m and A and K

i) m received 219 what A and K receive together.

ii) A received 3111 what m and togehrer recieved.

8) How many ways can a group of photo of l and k with their 3 friend.

10) if a,b,c and +ve.

pcs

the QP is in as follows but it is not in correct sequence so first see the qp in the test and since there will be enough time u also solve the qp.

1. Number of Weights needed for weighing 1 to 40 kgs?
27 9 3 1 ans : 4

2. Venn diagram problem venndiagram find the formulae.
Ans. $ABC' + AB'C + A'BC$

3. $a+2b=6, ab=4$ $2/a + 1/b=?$
ans : $3/2$

4. age of 4 persons given in a relation find smallest age?
ans : meera

5. find floating point result
 $(\text{float})25/2, \text{float}(25/2), 25/\text{float}(2), 25/2$
ans: 1 & 3

6. find equivalent $*(s+x)+y == \> s[x][y]$
ans : content of $s[x][y]$

7. find invalid statement : int a[3]

- 1. scanf("%d",a[2]);**
- 2. scanf("%d",&a[2]);**
- 3. scanf("%d",a);**
- 4. all**

ans : 1

8.one palindrome programme was given in recursion
ans : t(t+1,f-1)

9. main program:

```
i=foo(2) foo(int s)  
{  
if(!s)  
return s;  
else  
{ int i=5; return i}  
}
```

ans : 5

10.Ans.

ordere of sequence fetch, decode,read
data,execute,stroe

11.

```
k=0 i=0j=1;  
if(i<j) &&(j>0)&&(k=2)  
printf(k);  
if(i<j || j>0|| k=0)
```

printf(k)

ans: 2 2

**12. radius of sphere given , find ratio of cube 's
surface area and
cube sphere surface area
ans: $\pi/6$**

**13. teacher in math=4 p6=3 kmistry=3 each can take 2
subject minimum
teacher needed for school
ans : 5**

**14. 3 vowels,4 consonents formulate string of 6
letters with a vowel in
a string max no of string ?
ans: 5040**

**15.binnary of .6875.
0.1011**

**16. man walks at speed of 8 km/h 300 mtrs length train
crosses man in
30 sec from back, find
speed of train
ans: 44 km/hr**

**17. chess corner
ans : 31**

18,
input : " this is the line."

```
main()
{
char ch;
int count=0;
while((ch = getch() != '\n')
{
while (ch == ' ')
ch = getch();
while((ch!=' ') &&& (ch!='.'))
{
count++;
ch=getch();
}
}
```

ans : 11

19. radius of a circle is 5cm , if we draw a rectangle
of maximum size,
what is the area of rectangle
ans : 50 cmsq

one ques missing. Total 20 to be solved in 50 min..

Short listed have to appear for GD which includes
filtration. GD :

1. Report to the commisioner about the Corporation
Probs,

2. 5 things that u will consider while starting a
company,

3. there is a ship u r given five persons and u have to send only three whom will u send and why (Doctor, Engineer, lawer etc.),

4. what are the qulification required to have a high standards.

5.men are from mars and women are from venus.

6.what are the necessary steps should the senior management should take when the company has just launched and going to produce a software product.

then u have a psychometric test for the gd short-listed who will have to go thru interview. Interview was very formal and was very personal rather than technical

**nothing more
Good luck**

**hcl paper
I BuSINESS ANALYTICAL TEST
-----**

In each of the following questions, a related pair of

words are given
followed by 5 pairs of words.
Select the pair that best expresses a relationship
similar to that
expressed in the original pair.

1. Mode : Style
- a. truth : fibbing
 - b. falsehood : lying
 - c. promise : breaking
 - d. dream : waking
 - e. walk : jumping

2. Expletive : Swearing
- a. divide : separate
 - b. method : guidance
 - c. path : arrangement
 - d. athletics : football
 - e. diet : cucumber

3. Blue print : Draft
- a. proposal : outline
 - b. poem : script
 - c. copy : original
 - d. story : pen
 - e. strategy : scheme
- ans:(e)

Each of these sentences is followed by a set of
alternatives.
Select the choice which best completes the sentence.

4. Freedom can be by the tyrant or by the
bureaucrat
- a. withheld - upheld
 - c. granted - taken
 - b. crushed - cherished

d. squashed - suffocated
ans:(b)

5. Owing to our extreme ethnic and social, the question of languages and territoriality have always generated a lot of
a. cohesion - unanimity c. consciousness - hypocrisy
b. diversity - controversy d. heritage - division
ans:(b|d)

6. We have a responsibility to deal with present issues, with a complete understanding of their impact on the
generations.
a. historical - coming
c. moral - future
b. national - bygone
d. ethical - future
ans:(c)

The questions below consist of a group of sentences followed by suggested arrangements. Select the best sequence.

7. 1. In the face of all this, a potential predator can hardly be blamed for not realizing that the lizard is harmless.
2. The frill stands out in a disc upto 2 feet across.
3. The lizard adds to its alarming increase in apparent size by opening its mouth to reveal a bright yellow interior, and hisses loudly.
4. When alarmed, the Australian frilled lizard which

is 3 feet long,
raises a frill which normally lies flat along the
neck.

5. Many animals have found that the next best thing to
being fierce is
looking fierce.

a. 45321

b. 54231

c. 51243

d. 34215

e. none

ans:(d)

1. In fact, in the modern industrial economy, with i

1. Eligibility (60% and above thro' out)

2. Aptitude test

3.Gd

4.Language test

5.interview

syntel is coming on 21 & oracle is coming on 31th
of july.if yo have

any idea about these companies please inform.

here i'm sending question of infosys this year

Q1) puzzle no. 2 from shakutla devi.(book:puzzle to
puzzle u)ANS 28(DATA ARE CHANGED) 3 MARKS

Q 2) A lady go up hill with 2 mile per hour,and come
down with 4 m/p

she takes 6 hours in this .find the distance of one
side.ANS 8 MILES

3)four person ANDY ,BRAIN,CEDRIC&DAVE. 3 MARKS

THERE OCCUPATION ARE

ARCHIOLOGIST,BARBER,CASEWORKER,DENTIST NOT IN
ORDER.

i) AT LEAST ONE PERSON HAVE OCCUPATION STARTING WITH
NAME, BUT NOT ALL
ii) NAME OF ARCHIOLOGIST DOES NOT CONTAIN 'r'.
iii) NAME OF BARBER & DENTIST SHARE EXACTLY ONE
LETTER
COMMON
FIND THERE RESPECTIVE OCCUPATION

ANS: ANDY (ARCHIOLOGIST)
BRIAN (DENTIST) (4 MARKS)
CEDRIC (CASE WORKER)
DAVE (BARBER)

4) $16 * 12 * 2 * 3 = 99$ (4 MARKS)
PUT PROPER MATHEMATICAL OPERATION IN PLACE OF
'*'. (+, -, /, *)

ANS $16 * 12 / 2 + 3 = 99$

5) THREE GOLFER TOM, HARRY, DICK ARE STANDING IN A
LINE. TOM IS THE BEST PLAYER AND ALWAYS TELL
TRUTH, HARRY IS THE WORST PLAYER AND ALWAYS TELL
FALSE, * DICK SOME TIMES TELL TRUTH & SOME TIME
FALSE
NOT IN ORDER
FIRST PERSON IN LINE SAYS MIDDLE PERSON IS HARRY.
MIDDLE PERSON SAYS I AM DICK.
LAST PERSON SAYS MIDDLE PERSON IS TOM.

WHO IS WHO.

ANS) FIRST - TOM (4 MARKS)
MIDDLE - HARRY
LAST - DICK

6) A MATHEMATICIAN BOUGHT THREE ARTICAL FROM A
SHOP.

INSTESD OF ADDING THE PRICE OF ALL 4 ARTICLES
SHOPKEEPER MULTIPLY THE PRICE OF ARTICLES
AND THE RESULT IS SAME AS IT SHOULD COME AFTER

ADDITION. ONE ARTICAL COST Rs 1.5 AND TOTAL COST OF 4 ARTICAL IS 6.75.

FIND THE COST OF OTHER THREE ARTICAL

ANS) 2.25,2,1 (6 MARKS)

7)TWO PERSONS ARE STANDING IN A STATION BACK TO BACK.AS THE TRAIN COME THEY START WALKING IN OPPOSITE

DIRECTION.ONE PERSON TRAVEL 30 METER AND OTHER 40 METER BEFORE TRAIN CROSS THEM .SPEED OF MAN ARE SAME

AND SPEED OF TRAIN IS CONSTANT.ANS (240) (6 MARKS)

8)A ARTIST HAS SOME PICTURES NAME T,U,V,W,X,Y,Z.HE CAN SHOW ANY COMBINATION HE WANTS BUT THERE ARE SOME CONDITION

- 1) IF HE SHOW T THEN HE CAN NOT SHOW X.**
- 2) IF HE SHOW U THEN Y MUST BE THERE.**
- 3) IF HE SHOW V THEN X MUST BE THERE,**

AFTER THAT THERE ARE SOME SIMPLE Q. I DON'T REMEMBER.YOY MUST DO THIS Q. BECAUSE THS CONTAINS 8 MARKS.

9) A Q. RELATED TO KING AND SEVEN QUEEN ,I DON'T REMEMBER QUESTION.

QUESTION IS VERY TOUGH DO NOT TRY TO SOLVE THIS.

**10) 16 LEE & 10 JEE DO 510 T0RRS IN 10 HOURS &
10 LEE**

**& 6 JEE DO 480 TORR IN 12 HOUR. FIND EACH RATE /HOUR
OF EACH.**

best of luck

=====MBT SET 3 T - 2001 103

if u get set-3 i.e T2001103 BOOKLET THEN JUST TIC THE ANSWER...

AND GET READY FOR GD AND INTERVIEW.

Section 1

. a c d b d e a c d c b d b c a a d

Section 2

15, 16, e, 31, d, 2, c, 289, c, 197

Section 3

D, e, a, a, b, c

Section 4

B, a, d, b, a, e, b, a, d

Section 5

D, c, a, b, b, a, c, d

Section 6

C, e, d, e, c, a, d, c, a, b

pagE mbt1.txt

Section 1 Quants Time 10minutes

1.In a group of 15, 7 can speak Spanish , 8 can speak French, 3 can neither.

What set of fraction both French and Spanish.

.a) $\frac{1}{5}$ b) $\frac{4}{15}$ c) $\frac{1}{3}$ d) $\frac{7}{15}$ e) $\frac{2}{3}$ Ans->a

2)A yoga desires to run a certain course in $1\frac{1}{4}$ less time than she usually

takes by what percent must she increase her average speed to accomplish his goal.

.a) 20% b) 25% c) $33\frac{1}{3}$ d) 40% Ans->c

3) If the result of 10 by multi number , x by a number 1 less than itself is

4 less than multiple x by itself than $x = \text{ans} = 4$

a) 1 b) 2 c) 3 d) 4 e) 5

4)For a certain police percentile of cases solved in January was 70% and the

% of cases solved for February was 80 % . If the

percentage of cases

solved

for both months combined was 78%, what was the ratio of no of cases in

January to Feb.

a) $\frac{1}{5}$ b) $\frac{1}{4}$ c) $\frac{1}{2}$ d) $\frac{5}{4}$ e) $\frac{6}{5}$ ans = $\frac{1}{4}$

5) If an isosceles right angle is inscribed in a circle. What is the

ratio of

the area of the circle to the area of the triangle.

a) 1 b) $\frac{1}{2}$ c) $\frac{\pi}{2}$ d) $\frac{\pi}{2}$ e) 2π ans = $\frac{\pi}{2}$

6) If A and B are positive integer then $a^3 \cdot b^2 = 72$ then $a + b =$

a) 36 b) 17 c) 8 d) 6 e) 5 ans = 5

7) A painter has painted $\frac{1}{3}$ of a rectangular wall which is 10 feet

high.

When the painter painted another 75 sq feet of the wall she will be $\frac{3}{4}$

finished her

job. What is the horizontal dimension of the wall.

a) 18 feet b) 12 feet c) 10 feet d) 9 feet e) 6 feet

ans = 18

8) The value of a certain office machine depreciation is such a way

that its

value at the end of each year is $\frac{4}{5}$ of its value at the

beginning of the same year. If the initial value of the machine is

\$8000, what is the value at the end of the year.

a) \$4750.25 b) \$4000 c) \$2500 d) \$2000 e) \$640 ans \$2500

9) If A is a positive integer and its remainder are obtained when 4 and

6 are

obtained when 89 and 125 are divided by A, then $A =$

a) 7 b) 9 c) 15 d) 17 e) 19 ans = 17

10) If the operation Q is defined by the equation $x \cdot Q y = 2x + y$, what is

the

value of A in the equation $2Q + A = A + Q + 3$.

a) 0 b) -1 c) 1 d) 1.5 d) 4 ans =1

SECTION 2 10 minutes

4) 31,28, ?, 30,31

5) ans d

6) 3 sections 2 circles 1 circle $? = 2$

7) ans c

8) 169 225 ? 361 441 ans 289

9) one star one square 3 squares ans c

10) What is the next number in the following series

23, 48, 84, 133, ? ans 197

SECTION 3 5 MINUTES

1) Mr. Bhindra walked 10 yards down X street. He then turned to the

left and

walked 10 yards down Y street. he again turned to his left and walked

10 yards

down z street. Then he turned to his left and walked 15 yards down the

another

street. Then her turn to his left and walked 10 yards down that street,

again

she turned towards the left and walked 5 yards. In which street she is

in.

a) X b) Y c) Z d) another street ans=d

A passage given and five question so if the passage starts by this

pattern answers are e, a, a, b, c

2) A debating team of three members is to be selected among the group

session consisting of MNOP and

e, a, a, b, c.

SECTION 4

problem s & conditions

Two flowcharts are given have to answer the questions.

1 A dice is thrown

throw dice 'A' if < 4 score 1 pt

= 4 score 2 pts

> 4 score 3 pts

'B' if last than of the left th...

if < 4 score no points

2 player A and B draw balls coloured Red and Yellow

A always start first

If a red ball is drawn player gets Rs 100

if a yellow ball is drawn player gets Rs 200

SECTION 5 10 minutes

Given big passages three passages

d, c, a, B, b, a, c, d.

SECTION 6 5 minutes Ans-->(C, e, d, e, c, a,
d, c, a, b)

a) i alone sufficient

b) ii alone sufficient i is not sufficient

c) both together are sufficient

d) if any one of the two is sufficient

e) both are not sufficient

1) How many fair tickets are sold if the receive was
21,000

1) 100 books sold each book contains 50 %

2) 1 Re ticket 50 % of 2 Rs ticket Ans-->C

2) How many books are there in book shelf

1) the everst weight of the book is 0.7kg

2) the wieght of the book & the book self is 85 kg
Ans-->e

3) If the population of the certain country is 10%
more than it was 10
years

back & 5% more it was 4 years ago, what is the
increase in population
in the

last two years.

i) population 4 years ago was 22 million

ii) population of 10 years was 18 million Ans-->d

4) when one ball is drawn at random from your
container of 25 balls

what is a

chance that it is red

i) the yarn contains 10 yellow and 8 green balls

ii) the yarn contains all coloured balls Ans- > e

5) Sonia and thania share a room on rent in proportion

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**This is INFOSYS PAPER for the CAMPUS at V.J.T.I.
On 9th July 2001.
TOTAL MARKS 50**

DURATION 60 MIN.

**Total 300 candidates have appeared for written exam
and 108 were
short listed.**

**In the interview, in general 3 puzzles were asked;
followed by
technical questions in respective field. Also some
general questions were
asked.**

**I am not remembering the correct names so abbreviated
them as A,B,C...**

**1.A,B,C were gone for a trip. A visited 2.4 times
than B, B visited
6 few than C.Find minimum no. of trips all of them
visited.**

3 Marks

Ans. 28

**2.A & his family decided to go for trip for the 9
days. They did not
wish to travel too many in the first day, so they
decided they will
travel 20 kms. more every day from first day
day.They had travelled 1080 kms. at the end of 9th
day.**

4 MARKS

A. How much distance they had travelled on 4th day?

ans 100

B. How much distance they had travelled on last day?

ans 200

3. 1,2,3,4,5,6,7,8,9 r different cities to be connected by air route. but condition is that two cities will be connected if the no. formed by them is divisible by 3 (eg. If 1 & 2 r two cities no. formed by them is 12, divisible by 3)

How many cities r connected to city 8, consider intrconnectivity.

3 MARKS

ans.

4. A thief entered in house for theft, he found a pile of diamonds. He kept half of the diamonds & 2 more. Thereafter second thief entered, kept half of the remaining & two more. Third thief entered, kept half of the remaining & 2 more. Fourth thief entered, kept half of remaining & two more. Fifth thief entered, found that there is nothing remaining.

How many diamonds r there in pile

5 MARKS

Ans - 60

5. Tank is filled by 2 pipes, bigger & smaller. If bigger pipe open, tank is filled in 3 hrs, if smaller is open, it is filled in 5 hrs. If outlet pipe is open, it is emptied in 8 hrs. If all the three pipes r

open, what would be the volume in proportion to be failed up in the 1.84 hrs.

4 MARKS

Ans. $(1/5 + 1/3 - 1/8) * 1.84$

6. Hare & tortoise race. They decided to run around a circle of dia 100 yards. They started at the same point in opposite direction. Hare starts after tortoise covered 1/8th of distance. Hare meets tortoise when he covered 1/6 of total distance. How much faster hare should run to win the race?

4 MARKS

7. There is a CAR AUCTIONS & there r thirty bidders. 10 bidders bought less than 6 cars, 8 bought more than 7, 5 bought more than 8 & i bought more than 9. How many bidders bought 6, 7, 8, 9 cars?
5 MARKS

Ans. -6-6, 7-6, 8-3, 9-4

8. I am following SHAKESPARES THORY that the person who is slim always speaks the truth. There r 4 persons A, B, C, D WHO MADE FOLLOWING STATENENTS.

A- B is lighter than D
B- A is heavier than C
C- I am heavier than D
D- C is heavier than B

The fact is that "ONLY ONE OF THEM SPEAKS THE TRUTH"
Arrange the A,B,C,D in ascending order from light to heavy.

8 MARKS

Ans- A
C
B
D

9. Captain Latoof & his 4 friends decided to play game of Mustak (shooting game)
Decide their order fulfilling following conditions.

1.CL is 3rd if RD is fifth
2.WJ didnot stand second If BC is 1st or 3rd.
3.BC is 1st if CL is 2nd & RD fourth.
4.CL is 2nd or fourth if WJ stands 2nd
8 Marks

Ans 1 2 3
4

U have to arrange them below 1,2,3,4 & there r only 4 no.
I am not able to recall it correctly, It

is better if u
refer this type of PUZZLES FROM GEORGE SUMMER or RAVI
NARULA. KEEP IN
MIND THEME OF PUZZLE.

10. I am having a company & decided to hire 5
peoples for different
jobs of DOORKEEPER, DOORKNOB CLEANER, WORKER,
WELFARE
OFFICER,BOTTLE
WASHER.

A,B,C,D,E are 5 options.

A wishes that E should not be cleaner.

B wishes that C neither doorkeeper nor welfare
officer

C wishes that B either cleaner or bpttle washer

D wishes that C should be worker.

Decide the jobs of respective fulfilling given
conditions.

A B C D
E
JOBS

U have to write type of jobs below A,B,C,D,E
8 MARKS

Ans.

I am not able to recall it correctly, It is
better if u refer
this type of PUZZLES FROM GEORGE SUMMER or RAVI
NARULA. KEEP IN MIND
THEME OF PUZZLE.

ESSAY WRITING

**MARKS 15 DURATION 15
MIN.**

TOPICS

1. INTERNET REACH TO INDIA

2. PRIVATISATION OF PUBLIC SECTOR IS NECESSARY?

**FRIENDS THIS IS KIND REQUEST TO U THAT IF U R HAVING
THIS YR. CAPUS
PAPERS ,MAIL ME AT
vijay_mali2000@yahoo.com
vijaysmali@rediffmail.com**

**VIJAY MALI
M.E.(CAD/CAM)
V.J.T.I.**

******* ALL THE BEST

--0-422736640-994748174=:62793--

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**I am not remembering the correct names so abbreviated
them as A,B,C...**

**1.A,B,C were gone for a trip. A visited 2.4 times
than B, B visited
6 few than C.Find minimum no. of trips all of them
visited.**

3 Marks

Ans. 28

**2.A & his family decided to go for trip for the 9
days. They did not
wish to travel too many in the first day, so they
decided they will
travel 20 kms. more every day from first day
day.They had travelled 1080 kms. at the end of 9th
day.**

4 MARKS

**A. How much distance they had travelled on 4th
day?**

ans 100

B. How much distance they had travelled on last day?

ans 200

3. 1,2,3,4,5,6,7,8,9 r different cities to be connected by air route.but condition is that two cities will be connected if the no. formed by them is divisible by 3 (eg. If 1 & 2 r two cities no. formed by them is 12,divisible by 3)

How many cities r connected to city 8 ,consider intrconnectivity.

3 MARKS

ans.

4.A thief entered in house for theft, he found a pile of diamonds. He kept half of the diamonds & 2 more.there after second thief entered, kept half of the remaining & two more. Third thief entered, kept half of the remaining & 2 more. Fourth thief entered ,kept half of remaining & two more. Fifth thief entered ,found that there is nothing remaining.

How many diamonds r there in pile

5 MARKS

Ans - 60

5. Tank is filled by 2 pipes, bigger & smaller. IF bigger pipe open, tank is filled in 3 hrs, if smaller is open, it is filled in 5hrs.If outlet pipe is open ,it is emptied in 8 hrs.If all the three pipes r open,what would be the volume in proportion to be filled up in the 1.84 hrs.

4 MARKS

Ans. $(1/5 + 1/3 - 1/8) * 1.84$

6. Hare & tortoise race. They decided to run around a circle of dia 100 yards. They started at the same point in opposite direction. Hare starts after tortoise covered 1/8th of distance. Hare meets tortoise when he covered 1/6 of total distance. How much faster hare should run to win the race?

4 MARKS

7. There is a CAR AUCTIONS & there r thirty bidders. 10 bidders bought less than 6 cars, 8 bought more than 7, 5 bought more than 8 & i bought more than 9. How many bidders bought 6,7,8,9 cars?
5 MARKS

Ans. -6-6, 7-6, 8-3, 9-4

8. I am following SHAKESPARES THORY that the person who is slim always speaks the truth. There r 4 persons A,B,C,D WHO MADE FOLLOWING STATENENTS.

A- B is ligher than D

B- A is heavier than C
C- I am heavier than D
D- C is heavier than B

The fact is that "ONLY ONE THEM SOEAKS THE TRUTH"
Arrange the A,B,C,D in ascending order from slim to haevy.

8 MARKS

Ans- A

C

B

D

9. Capton Latoof & his 4 friends deciced to play game of Mustak

(shooting game)

Decide their order fulfiling following conditions.

1.CL is 3rd if RD is fifth

2.WJ didnt stand second If BC is 1st or 3rd.

3.BC is 1st if CL is 2nd & RD fourth.

4.CL is 2nd or fourth if WJ stands 2nd

8 Marks

Ans 1 2 3

4

U have to arrange them below 1,2,3,4 & there r only 4

no.

I am not able to recall it correctly, It is better if u

refer this type of PUZZLES FROM GEORGE SUMMER or RAVI

**NARULA. KEEP IN
MIND THEME OF PUZZLE.**

**10. I am having a company & decided to hire 5
peoples for different
jobs of DOORKEEPER, DOORKNOB CLEANER, WORKER,
WELFARE
OFFICER,BOTTLE
WASHER.**

A,B,C,D,E are 5 options.

A wishes that E should not be cleaner.

**B wishes that C neither doorkeeper nor welfare
officer**

C wishes that B either cleaner or bpttle washer

D wishes that C should be worker.

**Decide the jobs of respective fulfilling given
conditions.**

**A B C D
E
JOBS**

**U have to write type of jobs below A,B,C,D,E
8 MARKS**

Ans.

**I am not able to recall it correctly, It is
better if u refer
this type of PUZZLES FROM GEORGE SUMMER or RAVI
NARULA. KEEP IN MIND
THEME OF PUZZLE.**

> >

> >

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INFOSYS 1997.

TIME 1hr.

PAPER CODE Q/A.

marks 50.

1) At 6'o clock clock ticks 6 times. The time between first and last ticks was 30sec. How much time it takes at 12'o clock.

Ans. 66 sec.

2 marks.

2) Three friends divided some bullets equally. After all of them shot 4 bullets the total no. of remaining bullets is equal to that of one has after division. Find the original number divided.

Ans. x x x
 $x-4$ $x-4$ $x-4$
 $3x-12 = x$
 $x = 6$
 ans is 18

2 marks

3) A ship went on a voyage after 180 miles a plane started with 10 times speed that of the ship. Find the distance when they meet from starting point.

Ans. $180 + (x/10) = x$

$x = 20$

ans is $180+20=200$ miles.

2 marks

4) Fill the empty slots.

Three FOOTBALL teams are there. Given below the list of matches.

| | played | won | lost | draw | Goals for | Goals against |
|---|--------|-----|------|------|-----------|---------------|
| A | 2 | 2 | *0 | *0 | *7 | 1 |
| B | 2 | *0 | *1 | 1 | 2 | 4 |
| C | 2 | *0 | *1 | *1 | 3 | 7 |

the slots with stars are answers. 4 marks

BC drew with 2-2

A won on B by 2-0

A won on C by 5-1

(YOU HAVE TO FILL THE BLANKS AT APPROPRIATE STAR SYMBOLS.)`

5) There are 3 societies a,b,c. a lent tractors to b and c as many as they had. After some time b gave as many tractors to a and c as many as they have. After sometime c did the same thing.

At the end of this transaction each one of them had 24.

Find the tractors each originally had.

Ans a had 39, b had 21, c had 12,

4 marks

6) There N stations on a railroad. After adding x stations 46 additional tickets have to be printed. Find N and X.

Ans. let $N(N-1) = t$;

$(N+x)(N+x-1) = t+46$;

trial and error method $x=2$ and $N=11$ 4 marks

7) Given that April 1 is tuesday. a,b,c are 3 persons told that their farewell party was on

- a - may 8, thursday
- b - may 10,tuesday
- c - june 8, friday

Out of a,b,c one is only correct one of the regarding month,day,date.
Other told two correct and the third person told all wrong.What is correct date,month,day. 5 marks

(ans may be MAY 10 SUNDAY. check once again)

8)There are 4 parties. df,gs,dl(depositloss),ew ran for a contest.

Anup,Sujit,John made the following statements regarding results.

Anup said either df or ew will definitely win

sujit said he is confident that df will not win

John said he is confident that neither ew nor dl will win

the result has come. only one of the above three has made a correct statement. Who has made the correct statement and who has won the contest. 5 marks.

(ans DL)

9)Five people a,b,c,d,e are related to each other. Four of them make one true statement each as follows.

i) b is my father's brother. (ans. d said this)

ii)e is my mother-in-law. (b)

iii)c is my son-in-law's brother. (e)

iv)a is my brother's wife. (c)

who said each statement.

10 marks.

10) All members of d are also members of a

All '' e '' d

all '' c '' both a and b

not all '' a are members of d

not all '' d '' e

Some questions on these conditions.(5questions 5 marks)

11)

boys are allowed to watch football at c.v.Raman auditorium subjected to

conditions.

i)the boy over age 16 can wear overcoat

ii)no boy over age 15 can wear cap

iii)to watch the football either he has to wear overcoat or cap or both

iv) a boy with an umberella or above 16 or both cannot wear sweater.

v) boys must either not watch football or wear sweater.

What is the appearence of the boy who is watching football.

Try to solve this question.....

ok!!!!

infosys paper 1997.

paper code q/c.

1) $be * be = acb$

a,b,c,e are non zero numbers find b,e.

ans) $b=1$ $e=9$

2) a,b,c,d,e are having numerical values. there are some conditions given

a) $a=c$ $\iff b!=e$

- b) difference between a and c as same as difference between c and b
as same as difference between a and d
- c) $c < a$ and $c > d$
then find a,b,c,d,e
- 3) there are six cards in which it has two king cards. all cards are turned down and two cards are opened
- what is the possibility to get at least one king.
 - what is the possibility to get two kings.
- 4) a person went to a shop and asked for change for 1.15paise. but he said that he could not only give change for one rupee. but also for 50p, 25p, 10p and 5p. what were the coins he had
- ans) 1-->50 4-->10p 1-->25p
- 5) there are 3 nurses and they work altogether only once in a week. no nurse is called to work for 3 consecutive days.
- nurse 1 is off on tuesday, thursday and sunday.
 - nurse 2 is off on saturday.
 - nurse 3 is off on thursday, sunday.
- no two nurses are off more than once a week.
find the day on which all the 3 nurses were on work.
- 6) there are 5 persons a,b,c,d,e and each is wearing a black or white cap on his head. a person can see the caps of the remaining 4 but can't see his own cap. a person wearing white says true and who wears black says false.
- a says i see 3 whites and 1 block
 - b says i see 4 blocks
 - e says i see 4 whites
 - c says i see 3 blocks and 1 white.
- now find the caps wore by a,b,c,d and e
- 7) there are two women, kavitha and shamili and two males shyam, aravind who are musicians. out of these four one is a pianist, one flutist, violinist and drummer.
- across aravind beats pianist
 - across shyam is not a flutist
 - kavitha's left is a pianist
 - shamili's left is not a drummer
 - flutist and drummer are married.
- 8) $\frac{1}{3}$ ed of the contents of a container evaporated on the 1 st day. $\frac{3}{4}$ th of the remaining contents of the container evaporated the second day. what part of the contents of the container are left at the end of the second day.
- 9) a man covered 28 steps in 30 seconds but he decided to move fast and covered 34 steps in 18 seconds. how many steps are there on the escalator when stationary.
- 10) all fair skinned, rich, handsome, muscular, lean and employed are tall men
- all lean men are muscular.
 - no fairskinned person who is not rich is handsome.
 - some muscular men are handsome.
 - all handsome are fairskinned.
 - no person who is neither fair skinned nor muscular is enplyed.
 - we unable to recall this condition and question also incomplete.

> **INFOSYS(1998-99)**

>

> **LOGICAL THINKING TEST**

> -----

> **Time : 1 hour**

> **Total Marks : 50**

>

> **ALL QUESTIONS DO NOT CARRY EQUAL MARKS**

>

> **INSTRUCTIONS**

>

> * **Please do not write/mark on the question paper.**

>

> * **Read the questions carefully. Work your answers carefully**
> **and as**

> **rapidly as possible.**

>

> * **Do not spend too much time on questions that seem difficult**
> **for you.**

> **If time permits go back to the ones you have left out.**

>

> * **Answer sheets have been provided to you separately. Use the**
> **first**

> **sheet to write your answers and use the remaining sheets for**
> **the**

> **detailed working.**

>

> * **On completion, please put your answer sheet along with the**
> **working**

> **sheets, inside the question paper and hand them back to us.**

>

> * **There is no negative marking.**

>

>

> **Do not turn the page until you are told to do so.**

>

>

>

>

>

> 1.

2 Marks

>

> When Arthur is as old as his father Hailey is now, he shall be
> 5 times

> as old as his son Clarke is now. By then, Clarke will be 8
> times older

> than Arthur is now. The combined ages of Hailey and Arthur are
> 100

> years. How old is Clarke ?

>

> 2.

3 Marks

>

> I have one orange glass containing orange juice and another
> white glass

> containing apple juice. I take 50 ml of orange juice and mix it
> with

> apple juice in the white glass. Then I take 50 ml of this
> mixture and

> transfer it back to the orange glass.

> If you compare amount of apple juice in the orange glass and
> amount of

> orange juice in the white glass which is more than the other
> and by

> how much ?

>

> 3.

3 Marks

>

> The seven digits in this subtraction problem are
> 0,1,2,3,4,5 and 6.

> Each letter represents the same digit whenever it occurs.

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D A D C B

E B E G

B F E G

> What digit is represented by each letter ?

> 4.

4 Marks

> The Jones have named their four boys after favourite
> relatives; their

> friends, the Smiths, have done the same thing with their three
> boys.

> One of the families has twin boys. From the following clues,
> can you

> determine the families of all seven children and their ages ?

> i) Valantine is 4 years older than his twin brothers.

> ii) Winston, who is 8, and Benedict are not brothers. They are
> each

> named after a grandfather.

> iii) Briscoe is two years younger than his brother Hamilton,

> But three

> years older than Dewey.
> iv) Decatur is 10 years old.
> v) Benedict is 3 years younger than Valentine; they are not
> related.

> vi) The twins are named for uncles.

>

>

> 5. 4 Marks

>

> Motorboat A leaves shore P as B leaves Q; they move
> across the lake at

> a constant speed. They meet first time 600 yards from P. Each
> returns

> from the opposite shore without halting, and they meet 200
> yards from

> Q. How long is the lake ?

>

>

> 6. 4 Marks

>

> Fanta, Pepsi and Citra often eat dinner out.

>

> a) Each orders either coffee or tea after dinner.

> b) If Fanta orders coffee, then Pepsi orders the drink that
> Citra orders.

> c) If Pepsi orders coffee, then Fanta orders the drink that
> Citra does

> not order.

> d) If Citra orders tea, then Fanta orders the drink that Pepsi
> orders.

>

> Which person/persons always orders the same drink after dinner

> ?

>

>

> 7.

6 Marks

>

> On the Island of imperfection there is a special road,
> Logic Lane, on

> which the houses are usually reserved for the more mathematical
> inhabitants.

>

> Add, Divide and Even live in three different houses on this
> road (which

> has houses numbered from 1-50). One of them is a member of the
> Pukka Tribe,

> who always tell the truth; another is a member of the Wotta
> Tribe, who never

> tell the truth; and the third is a member of the Shalla Tribe,
> who make

> statements which are alternately true and false, or false and
> true.

>

> They make statements as follows :

>

> ADD : 1 The number of my house is greater than that of
> Divide's.

> 2 My number is divisible by 4.

> 3 Even's number differs by 13 from that of one of the
> others.

>

> DIVIDE : 1 Add's number is divisible by 12.

> 2 My number is 37.

\geq \succ \succ \succ \succ \succ \succ \geq \succ \geq

- > i) The one whose name contains two vowel sounds is not A.
- > ii) C's name does not contain more than one vowel sound or
- > fewer than
- > seven syllables.
- > iii) The name with seven syllables does not contain exactly one
- > vowel
- > sound.
- > iv) B and C do not have names with the same number of vowel
- > sounds.
- > v) Neither the name with five syllables nor the name with
- > seven syllables
- > contains more than one vowel sound.
- > vi) Neither the name with six syllables, nor the B's name,
- > contains
- > two vowel sounds.

> 9.

8 Marks

> Multiplication and Division.

| | | | |
|-----|-----------|----------------|-------------|
| (1) | ----- (a) | (2) | __ . __ (d) |
| | | | |
| | --- (b) | ---) ----- . 0 | |
| | | | --- |
| | | | |
| | ----- | | ----- |
| | ----- | | ----- |
| | ----- | | --- |
| | ----- (c) | | |
| | | | --- |
| | | | --- |

> =====

>

> (1) and (2) represent the same two numbers - in one case

> multiplied

> 9together, in other case divided.

>

> Given that there are no 3's. find the missing digits indicated

> as

> (a), (b), (c) and (d) above ?

>

> 10. 8 Marks

>

> Two identical twins have a very unusual characteristic.

> One tells

> nothing but lies on Mondays, Wednesdays and Fridays, and tells

> nothing

> but the truth all other days. The other tells nothing but lies

> on

> Tuesdays, Thursdays and Saturdays, and tells nothing but the

> truth

> all other days. On Sundays both children speak the truth.

>

> 1) Which of the following statements can be deduced from the

> information presented ?

>

> i) If it is Sunday, the twins will both say so.

> ii) If it is not Sunday,one twin will give the correct day

> and

> the other will lie about everything.

> iii)On any given day, only one twin will give his correct

> name.

>

- > a) i only
- > b) i and ii only
- > c) i and iii only
- > d) ii and iii only
- > e) i,ii and iii

> 2) According to the information presented, which of the
> following

> conversations will be impossible.

> a) Twin A : "Today you are a liar"
> Twin B : "You are telling the truth"

> b) Twin A : "Today you are a liar"
> Twin B : "Today I am a truthteller"

> c) Twin A : "Tommorow I shall be a liar"
> Twin B : "That's correct"

> d) Twin A : "Tommorow you will be a liar"
> Twin B : "Today you are a truthteller"

> e) Twin A : "Yesterday we were both truthtellers"
> Twin B : "You are lying"

> 3) Assume that the twins followed a different set of
> rules, so that on

> a given day both told only the truth while next day
> both only lied,

> alternating days of truth telling and lying. Under these
> rules, which

> of the following conversations would be possible ?

> a) Twin A : "Today you are a liar"
> Twin B : "That is correct"

> b) Twin A : "Today you are a liar"
 > Twin B : "That is not so"
 >
 > c) Twin A : "Tommorow we will be liers"
 > Twin B : "Yesterday we were truthtellers"
 >
 > d) Twin A : "Tommorow we will be liers"
 > Twin B : "You are 1 year older than I am"
 >
 > e) Twin A : "We always tell the truth"
 > Twin B : "We some times tell the truth"
 >
 > 4) If the twins are heard saying the following on the same
 > day, which

> choice presents a correct statement ?
 >

> Twin A : "It is Sunday Today"
 > Twin B : "Yesterday was Sunday"
 > Twin A : "it is summer season now"

>
 > a) it is a summer sunday
 > b) it is a summer monday
 > c) it is Monday but not summer
 > d) it is Sunday but not summer
 > e) it is impossible to determine whether it is Sunday or
 > Monday.

>
 >
 > -----*-----

INFOSYS

> > There are 5 q papers with them. this is only one of those.
> > All others were more or less of the same model but different
> > qs. This is just to give U an idea.

> >

> > The questions are not in order.

> >

> > 1)A,B,C,D,E related.4 of them made these
statements each.

> > i)C is my son in law's brother.

> > ii)B is my father's brother.

> > iii)E is my mother in law.

> > iv)A is my brother's wife.

> > who made these statements?(person mentioned is
one of A,B,C,D,E)(10 marks).

> > 2)e means belong.

> > All members of E e D.

> > All members of D e A.

> > Not all members of D e E.

> > Not all members of A e D.

> > All members of C e both A and B.some
questions are asked about relation.use
venn diagram.(5 marks).

> >

> > 3)complete the table.

> >

> > Played won lost draw goals goals
> > for against

> > A 2 2 1

> > B 2 1 2 4

> > C 2 3 7

> >

> > A,B,C are 3 hockey teams.(2 marks).

> >

> > 4) A says Party was held on :Thursday ,May 8th.

> > B says Party was held on :Tuesday,May 10th.

> > C says party was held on :Friday ,June 8th.
 > > Given April 1 st was Tuesday.one of A,B,C
 says 1 correct.one says 1
 > > wrong.and one was completely wrong of
 date,Month and day. Find the
 > > Day the party held. (5marks).
 > >
 > > 5) A ship is away from the shore by 180 miles.A
 plane is travelling at
 > > 10 times speed of the ship.How long from the
 shore will they meet?
 > > (2marks)
 > >
 > > 6) Every station in N railroad issue everyother
 station's ticket.
 > > some stations are added.Now they have to
 issue 46 more tickets.
 > > say the No.of stations after and before
 added.(5 marks).
 > >
 > > 7) 3 persons say these statements.
 > > A says either Democratic or liberal wins the
 elections.
 > > B says Democratic wins.C says neither
 democratic nor liberal wins
 > > the election.of these only one is wrong.who
 wins the election?
 > > (5 marks).
 > >
 > > 8) A clock showing 6 o'clock takes 30 secs to
 strike 6 times.How long
 > > will it take to strike 12 at midnight?Ans.66
 secs.(2marks)
 > >
 > > 9) Only boys aged > 16 wear coats.
 > > Boys aged > 15 go to watch football.some
 more statements are given.
 > > What can be said about those who are
 watching football ? (age and
 > > costume)

> > (5 marks).

> >

> > 10) There are 3 societies A,B,C having some tractors each.

> > A Gives B and C as many tractors as they already have.

> > After some days B gives A and C as many tractors as they have.

> > After some days C gives A and B as many tractors as they have.

> > Finally each has 24 tractors.what is the original No.of

> > tractors each had in the beginning?

> > Ans.A -39.

> > B- 21.

> > C- 12.(7 marks).

> > 11) 4,5 statements.From that find the answer.(7 marks).

> >

> >

> > Reference books

> > 1.) Puzzles and teasers by summer's

> > 2.) Shakuntala Devi. (puzzles).

> >

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> --

INFOSYS

There are 5 q papers with them. this is only one of those.
All others were more or less of the same model but different
qs. This is just to give U an idea.

The questions are not in order.

1) A, B, C, D, E related. 4 of them made these statements each.

i) C is my son in law's brother.

ii) B is my father's brother.

iii) E is my mother in law.

iv) A is my brother's wife.

who made these statements? (person mentioned is one of A, B, C, D, E) (10 marks).

2) e means belong.

All members of E e D.

All members of D e A.

Not all members of D e E.

Not all members of A e D.

All members of C e both A and B. some questions are asked about
relation. use venn diagram. (5 marks).

3) complete the table.

| | Played | won | lost | draw | goals for | goals against |
|---|--------|-----|------|------|--------------|------------------|
| A | 2 | | 2 | | | 1 |
| B | 2 | | | 1 | 2 | 4 |
| C | 2 | | | | 3 | 7 |

A, B, C are 3 hockey teams. (2 marks).

4) A says Party was held on : Thursday, May 8th.

B says Party was held on : Tuesday, May 10th.

C says party was held on : Friday, June 8th.

Given April 1st was Tuesday. one of A, B, C says 1 correct. one says 1

wrong, and one was completely wrong of date, Month and day. Find the

Day the party held. (5marks).

5) A ship is away from the shore by 180 miles. A plane is travelling at 10 times speed of the ship. How long from the shore will they meet? (2marks)

6) Every station in N railroad issues every other station's ticket. Some stations are added. Now they have to issue 46 more tickets. Say the No. of stations after and before added. (5 marks).

7) 3 persons say these statements.

A says either Democratic or liberal wins the elections.

B says Democratic wins. C says neither democratic nor liberal wins the election. Of these only one is wrong. Who wins the election? (5 marks).

8) A clock showing 6 o'clock takes 30 secs to strike 6 times. How long will it take to strike 12 at midnight? Ans. 66 secs. (2marks)

9) Only boys aged > 16 wear coats.

Boys aged > 15 go to watch football. Some more statements are given. What can be said about those who are watching football? (age and costume) (5 marks).

10) There are 3 societies A, B, C having some tractors each.

A gives B and C as many tractors as they already have.

After some days B gives A and C as many tractors as they have.

After some days C gives A and B as many tractors as they have.

Finally each has 24 tractors. What is the original No. of tractors each had in the beginning?

Ans. A - 39.

B - 21.

C - 12. (7 marks).

11) 4, 5 statements. From that find the answer. (7 marks).

Reference books

- 1.) Puzzles and teasers by summer's
- 2.) Shakuntala Devi. (puzzles).

c.v.

We do not remember the questions exactly, here we just tried to cover the major areas.

Paper consists of two sections : 1. analytical (20 marks)
2. C skills (20 marks)total time 45 min

>

> Analytical:

> -----

>

> 1. Given a cube, with different colors on its faces, and then is cut
> into 64 pieces, and the questions relate to the colors of different
> colored small cubes.

>

> 2. A few ladies and gents sit around table in some given order and 4
> questions are about their seating arrangement with some restrictions.

>

> 3. Draw a venn diagram for 3 items : white, flowers, cloth

>

> Ans : draw 3 circles each intersecting the other , with white kept in
the
> middle.

>

> 4. A problem related to seating arrangement of 4 people (2 ladies and
> 2 gents) with some restrictions

>

> 5. problem related to milk with water added to it for three times

>

> Ans: 20.5 litres

>

> 6. Problem related to diagrams . Five diagrams were given and asked
to
> find the sixth one.

>

> C-Skills:

> -----

>

> 1. Max number of nodes in a binary tree with height 3 is 20 : Ans:
False

>

> 2. 10,20,30,40,50,60 : give the order when put in a queue and in a stack

>

> Ans : Queue : 10,20,30,40,50,60
stack : 60,50,40,30,20,10

>

> 3. Debugging is the process of finding

>

> Ans : logical and runtime errors

>

> 4. trace the error:

>

```
> void main(){
>     int &a;
>     /* some other stuff here */
> }
```

> Ans: syntax error

>

> 5. a problem with a function named 'myValue' will be given and asked to
find the value of main() for an argument of 150,

>

> Ans : 150

>

> 6. Some problems related to 'for' loops.

>

> 7. problem on conditional inclusion.

>

> 8. problem related to depth first and breadth first search (DSA subject)

>

> 9. study the syntax of malloc function

>

> 10. locate the error

>

```
> int arr (20);
```

> Ans: syntax error.

>
>
>

HCL SYSTEM SOFTWARE PAPER: 60 qs; 90 min. (4 sections)

NOTE : Please check answers once again.

only this much i got , which is available here in iit-kgp

section 1.

1. which of the following involves context switch,

- a) system call b) privileged instruction**
- c) floating point exception**
- d) all the above**
- e) none of the above**

ans: a

2. In OSI, terminal emulation is done in

- a) session b) appl. c) presenta... d) transport**

ans: b

3. 25MHz processor , what is the time taken by the instruction which needs 3 clock cycles,

- a) 120 nano secs b) 120 micro secs**
- c) 75 nano secs d) 75 micro secs**

4. For 1 MB memory no of address lines required,

a)11 b)16 c)22 d) 24

ans: 16

5. Semaphore is used for

a) synchronization b) dead-lock avoidance

c)box d) none

ans : a

6. class c: public A, public B

a) 2 member in class A,B shouldnot have same name

b) 2 member in class A,C " " " "

c) both

d) none

ans : a

7. question related to java

8. OLE is used in

a)inter connection in unix

b)interconnection in WINDOWS

c)interconnection in WINDOWS NT

9.No given in HEX ---- write it in OCTAL

10.macros and function are related in what aspect?

a)recursion b)varying no of arguments

c)hypochecking d)type declaration

11.preproconia.. does not do one of the following

a)macro b)conditional complication

c)in type checking d)including load file

ans: c

SECTION B

1.enum day = { jan = 1 ,feb=4, april, may}

what is the value of may?

a)4 b)5 c)6 d)11

e)none of the above

2.main

{

int x,j,k;

j=k=6;x=2; ans x=1

x=j*k;

printf("%d", x);

3. fn f(x)

{ if(x<=0)

return;

ans fn(5)?

else f(x-1)+x;

}

4. i=20,k=0;

for(j=1;j<i;j=1+4*(i/j))

{

k+=j<10?4:3;

}

printf("%d", k); ans k=4

5. int i =10

main()

{

int i =20,n;

for(n=0;n<=i;)

{

int i=10


```
    i++;  
}  
printf("%d", i);          ans i=20
```

6. `int x=5;`
 `y= x&y`
(MULTIPLE CHOICE QS)
ans : c

7. `Y=10;`
 `if(Y++>9 && Y++!=10 && Y++>10)`
 `printf("..... Y);`
 `else printf("....)`

ans : 13

8. `f=(x>y)?x:y`
a) f points to max of x and y
b) f points to min of x and y
c) error
d)

ans : a

9. if x is even, then

`(x%2)=0`
`x &1 !=1`
`x! (some stuff is there)`

a) only two are correct
b) three are correct
c), d)

ans : all are correct

10. which of the function operator cannot be over loaded

- a) <=**
- b)?:**
- c) ==**
- d) ***

ans: b and d

SECTION.C (PRG SKILLS)

(1) STRUCT DOUBLELIST
{
DOUBLE CLINKED
INT DET; LIST VOID
STRUCT PREVIOUS; BE GIVEN AND A PROCEDURE
TO DELETE
STRUCT NEW; AN ELEMENT WILL BE GIVEN
}
DELETE(STRUCT NODE)

{
NODE-PREV-NEXT NODE-NEXT;
NODE-NEXT-PREV NODE-PREV;
IF(NODE==HEAD)
NODE
}

IN WHAT CASE THE PREV WAS

(A) ALL CASES

(B) IT DOES NOT WORK FOR LAST ELEMENT

(C) IT DOES NOT WORK FOR-----

(2) SIMILAR TYPE QUESTION

ANS: ALL DON'T WORK FOR NON NULL VALUE

(3) VOID FUNCTION(INT KK)

{
KK+=20;
}

VOID FUNCTION (INT K)

INT MM,N=&M

KN = K

KN+=10;
}

SECTION D

- (1) **a=2,b=3,c=6 c/(a+b)-(a+b)/c=?**
(2) **no.rep in hexadecimal, write it in radix 7**
(3) **A B C D E**
 *** 4**

----- find E ANS: 13

E D C B A

- (4) **GRE-MODEL TEST-1, SECTION-6(19-22)**
(5) **M HAS DOUBLE AMOUNT AS D, Y HAS RS. 3 MORE THAN HALF OF AMOUNT OF D**
 THE ORDERING A,B,C M C D C Y
 ANS:DATA INSUFFICIENT D C M C Y
(6)**IN STATISTIC MEN CAUSE MORE ACCIDENTS THEN ONE CONCLUSION**
(A) **MEN DRIVE MORE THAN ONCE**
(B) **STATISTICS GIVE WRONG INFORMATION**
(C) **WOMEN ARE CAUTION THAN ME ANS; C(VERIFY)**
(D)**-----ETC**
(7) **P,Q,R,S,T,U -SECURING GRANT;TWO TOURIST PARTIES AND THEN TWO SECURITY**
 GAURDS SHOULD GO WITH EACH PARTY

P AND R-ARE ENEMIES, Q DOES NOT GO SOUTH
P&S-ARE WILLING TO BE TOGETHER

THE TWO PARTIES MAY GO SOUTH&NORTH RESPECTIVELY
AT ONE POINT EACH MAY PASS EACH OTHER THEN GAURDS CAN EXCHANGE

6 Q BASED ON THIS

(8)pq-r/s =2 what is q inference a,n&d

(a) a can do n units of work in strs,a&b can do n units of work in 2 hrs
in how many hrs n units of work ans:3 hr 30 min p = (2s+r)/q

```
main()
{
    int var=25,varp;
    varp=&var;
    varp p = 10;
    fnc(varp)
    printf("%d%d,var,varp);
}
```

(a) 20,55(b) 35,35(c) 25,25(d)55,55

[c++,c,dbms interview]
[fundamentals]
this is new paper

application -software

part-1:

28-questions

(5)ingless ans:RDMS

(1)bit program-ans d

(2)c ans

(3)+ 0 ans

(4)00p--ans linking

(5)-----

(6)-----

(9)25--45 even no. ans--10

(10) >10 <100 ---ans=n+9

Subject: INTERGRAP

7.Interchanging strings and numbers

Ans C

8. Matricide:Mother:: Homicide:? Ans Human

9. Some Mammals are Vertebrates

Some Vertebrates are..... Ans d

10. Figure pattern: --|--.....etc. direction changes problem.

11. work problem.....etc. (not clear).

C TEST

1. main()

{

int arr[100];

int c;

int N;

for(i=0;i<N;i++)

arr[i]=i;

minvalue i =

Maxvalue i =

Ans 0,100 resp

2. Union Problem

Ans : a or c

3. for n=2 the following fn returning value is

int fun(int n)

{

for(i = 1;i<=n;i++)

for(j=i;j<=i;j++)

sum=sum+j;

return(sum);

}

Ans 6

4. Calculate sum=1+1+2+1+2+3+1.....

Ans $i \leq x; j \leq i$

5. for x=2 y=3 z=1

the following fn return

int fun(int n; int y; int z)

{

```

int sum
for(i=x;i<=y;i++)
for(j=1;j<=z;z++)
sum=sum+z;
return sum
}

```

Ans 0(check)

6. The values of sum from above fn

for x=0; y=0;z=1 Ans 1

7.how can you insert the following values in stack and numbers

10,20,30,40,50,60

stack [][][][]

numb [][][][]

Ans

60 50 40 30 20 10

10 20 30 40 50 60

check.

8. # if ndif XYZ

```
#include "XYZ.h"
```

```
#endif
```

what is meaning ?

Ans:

if XYZ is not defined then only include the header file XYZ.h.

9. p:malloc(int*sizeof(int));

ans: a

10.a=5 b=10 c=7

(a>c)?a:((b>c)?b:c) ans 10

11. debugging eliminates Ans[c]

ans: both logical & run time errors.

12. int term (int x)

```
{ int sum=0;int i;
```

```
for(i=0;i<=5;i++)
```

```
sum+=x;
```

/*proble is wrong but Ans is 650.*/

```
return(sum);
}      Ans 650
the above fn value for x=150
```

```
13.int x;
scanf("%d",x);
-----
-----
```

what is error in the above program

```
14.int a[] = { 1, , 9,2.....}
int *p;
p=&a[2];
printf("%s",p);
a)7  b)2  c)4407  d)none
```

ans: d

```
15.a[][] = {1,2},{3,4}
```

```
b[] [] ={
```

```
void fun(A,B)
```

```
int i,j;
```

```
for(i=1;i<N;i++)
```

```
for(j=1;j<N;j++)
```

```
sum=sum+A[i][j];
```

```
return sum;
```

```
}
```

what is wrong in the above function?

16. OTHER QUESTIONS ARE MAINLY CONCENTRATED ON ERRORS LIKE

(i)syntax (ii) runtime (iii) logical (iv) debugging.

17. A binary tree with depth of '3' has max kof 20 nodes ans: no.

18. breadth search and depth search in binary tree.

ANALYTICAL

1.20%loss;20 % gain Ans 4% loss

2.Order problem Ans : Bo,Ka,A,Tp Ans Bo

3.10%5+3*2-3 ans:5

4.Calls:Tissus::Atom:? Ans:Molecules

5.cube problem(32 bigger+4 smaller cubes)-> R.S.Aggrawal nonverbal

->pg 92: 5 questions

6 PQRSTU->problem-> Verbal Reasoning ->do.....pg 430 : 5 question.

7 problem -> verbal reasoning -> rs aggrawal pg 207 Quest 17 to 21.

C TEST

1. malloc ? 2. char * p = " hwllo world " , what is wrong?

3. char *(*(*a(N))())();?

4. *p++ = ?

5 int i=7

printf("%d \n",i++ i++) o/p =? ans 56

6.n=2 pow((2.0,n),++n)?

7 #define macro for (i,g) ?

8. int reg=2 is there any wrong ? write a reason

9. #define max 10

p=&(a+b);

q=*max;

} what is wrong

10. strcat(string,'O');

wrong? werite reason?

11.char *s=char *

else (string)....? wrong? write reason?

PSG PAPER: ARITHMETICS

1. Venn diagram for white, clothes,flowers

2.Male members ABCDEF, female members PQRSTU

This problem is same as in rs aggrawal [5questions]

3. not clear.

4. IMS material A sales person problem.

[5 question] conditions: M must visit before P&Q

R " " " MNOPQRS

5. A containor contains 40 lt milk, 8 lt water

ans:(0.80)^3 * 40 = 20.41lts.

6. direction problem (playing cards) Ams south-west.

[Part 2, "" Text 150 lines]

[Not Shown. Use the "V" command to view or save this part]

**QUESTION PAPER STARTS.THE FILENAME IS RAMQP.I HOPE
ITIS RAMCO**

1) A - G are 7 consecutive +ve integers not necessarily in the same order

1) B is the middle number

2) D is 3 less than c

**3) the difference between F & A is equal in magnitude and sign
to the difference between E & C**

4) Neither F nor C lie between E & G

a) What is the value of B-F

1 2 -1 -2 cannot be determined

b) which is greatest

F C A E cannot be determined

c) Given both A & B are primes what is the lowest value of E

8 6 9 12 cannot

**2) Given that a,b,c,d,e each represent one of the digits between
1-9 and that the following multiplication holds**

a b c d e

4

e d c b a

What digit does e represent

- a) 4
- b) 6
- c) 7
- d) 8
- e) none

1. How many bytes does an array A(1:8,-2:2,1:5) require for storage if each element of the array is 24 bits long.

200 480 600 800 none

2. begin

i:=0;
j:=0; | block d

loop:

if(i != 0)
 i := i-1;
else
 i := i+1;

i := i+1; | block a
j := j+1; | block b

if (j <= 25)
 goto loop;

end | block c

- a) What is the value of i at [c]
2 ?
- b) How many times is the goto executed
25 ?
- c) How many times is the loop executed if i is initialized to 1
in [d] 26
- d) How many times is the loop entered if the block [b] is changed
to $j=j+1$?
- e) What is the value of i at [c] interchanging blocks [a] and [b] ?
2 ?

Follow the instructions given below [From 1 to 8]

- 1. A cause B or C but not both
- 2. F occurs only if B occurs
- 3. D occurs if B or C occurs
- 4. E occurs if only c occurs
- 5. J occurs only if E or F occurs
- 6. H occurs if E occurs
- 7. D causes G, H or Both.
- 8. G occurs if F occurs.

Questions

- 1. If A occurs which of the following may occur
 - 1. F & G (ii) E & H (iii) D

Ans

(a) 1 only (b) 2 only (c) 3 only (d) 1,2,3 or 2 & 3 but not 1

(e) 1,2 & 3

2. If B occurs which must occur

Ans

--- **(a) F & G (b) D & G (c) D (d) G & H (e) J**

3. If J occurs which must occur

Ans

(a) E (b) Both E & F (c) Either B or C (d) B (e) Both B & c

4. Which may occur as a result by a cause not mentioned.

(I) D (II) A (III) F

Ans

(a) I only (b) II (c) I & II (d) II & III (e) I,II,III

5. If E occurs which cannot occur.

(a) F (b) A (c) D (d) C (e) J

```
#include<stdio.h>
int SumElement(int *,int);
void main(void)
{
    int x[10];
    int i=10;
    for(;i;)
    {
```

```

        i--;
        *(x+i)=i;

    }
    printf("%d",SumElement(x,10));
}
int SumElement(int array[],int size)
{
    int i=0;
    float sum=0;
    for(;i<size;i++)
        sum+=array[i];
    return sum;
}

```

```

#include<stdio.h>
void main(void);
int printf(const char*,...);
void main(void)
{
    int i=100,j=10,k=20;
--    int sum;
    float ave;
    char myformat[]="ave=%.2f";
    sum=i+j+k;
    ave=sum/3.0;
    printf(myformat,ave);
}

```

```

#include<stdio.h>
void main(void);
void main(void)
{
    int a[10];
    printf("%d",((a+9) + (a+1)));
}

```

```
#include<stdio.h>
```

```
void main(void);  
void main(void)  
{  
    struct s{  
        int x;  
        float y;  
    }s1={25,45.00};  
    union u{  
        int x;  
        float y;  
    } u1;  
    u1=(union u)s1;  
    printf("%d and %f",u1.x,u1.y);  
}
```

```
#include<stdio.h>  
void main(void)  
{  
{  
    unsigned int c;  
    unsigned x=0x3;  
    scanf("%u",&c);  
    switch(c&x)  
    {  
        case 3: printf("Hello!\t");  
        case 2: printf("Welcome\t");  
        case 1: printf("To All\t");  
        default:printf("\n");  
    }  
}
```

```
#include<stdio.h>  
int fn(void);  
void print(int,int(*)());  
int i=10;
```

```

void main(void)
{
    int i=20;
    print(i,fn);
}
void print(int i,int (*fn1>())
{
    printf("%d\n",(*fn1)());
}

```

```

int fn(void)
{
    return(i-=5);
}

```

```

#include<stdio.h>
void main(void);
void main(void)
{{
    char numbers[5][6]={"Zero","One","Two","Three","Four"};
    printf("%s is %c",&numbers[4][0],numbers[0][0]);
}

```

```

int bags[5]={20,5,20,3,20};
void main(void)
{
    int pos=5,*next();
    *next()=pos;
    printf("%d %d %d",pos,*next(),bags[0]);
}
int *next()
{
    int i;
    for(i=0;i<5;i++)
        if (bags[i]==20)
            return(bags+i);
    printf("Error!");
    exit(0);
}

```

```
}
```

```
#include<stdio.h>
```

```
void main(void)
```

```
{
```

```
    int y,z;
```

```
    int x=y=z=10;
```

```
    int f=x;
```

```
    float ans=0.0;
```

```
    f *=x*y;
```

```
    ans=x/3.0+y/3;
```

```
    printf("%d %.2f",f,ans);
```

```
}
```

```
#include<stdio.h>
```

```
void main(void);
```

```
double dbl=20.4530,d=4.5710,dblvar3;
```

```
void main(void)
```

```
{
```

```
    double dbln(void);
```

```
    dblvar3=dbln();
```

```
    printf("%.2f\t%.2f\t%.2f\n",dbl,d,dblvar3);
```

```
}
```

```
double dbln(void)
```

```
{
```

```
    double dblvar3;
```

```
    dbl=dblvar3=4.5;
```

```
    return(dbl+d+dblvar3);
```

```
}
```

```
#include<stdio.h>
```

```
static int i=5;
```

```
void main(void)
```

```
{
```

```
    int sum=0;
```

```
    do
```

```
    {
```

```
        sum+=(1/i);
```

```
    }while(0<i--);
```

```
}
```



```

#include<stdio.h>
void main(void)
{
    int oldvar=25,newvar=-25;
    int swap(int,int);
    swap(oldvar,newvar);
    printf("Numbers are %d\t%d",newvar,oldvar);
}
int swap(int oldval,int newval)
{
    int tempval=oldval;
    oldval=newval;
    newval=tempval;
}
#include<stdio.h>
void main(void);
void main(void)
{
    int i=100,j=20;
    i+=j;
    i*=j;
    printf("%d\t%d\n",i,j);
}
#include<stdio.h>
void main(void);
int newval(int);
void main(void)
{
    int ia[]={12,24,45,0};
    int i;
    int sum=0;
    for(i=0;ia[i];i++)
    {
        sum+=newval(ia[i]);
    }
    printf("Sum= %d",sum);
}
int newval(int x)
{
    static int div=1;

```

```

        return(x/div++);
    }
#include<stdio.h>
void main(void);
void main(void)
{
    int var1,var2,var3,minmax;
    var1=5;
    var2=5;
    var3=6;

    minmax=(var1>var2)?(var1>var3)?var1:var3:(var2>var3)?var2:var3;
    printf("%d\n",minmax);
#include<stdio.h>
void main(void);
void main(void)
{
    void pa(int *a,int n);
    int arr[5]={5,4,3,2,1};
    pa(arr,5);
}

void pa(int *a,int n)
{
    int i;
    for(i=0;i<n;i++)
        printf("%d\n",*(a++)+i);
}
#include<stdio.h>
void main(void);
void print(void);
void main(void)
{
    print();
}
void f1(void)
{
    printf("\nf1():"");
}

```

```

#include "6.c"
void print(void)
{
    extern void f1(void);
    f1();
}
static void f1(void)

{
    printf("\n static f1().");
}

```

```

#include<stdio.h>
void main(void);
static int i=50;
int print(int i);
void main(void)
{
    static int i=100;
    while(print(i))
    {
        printf("%d\n",i);
        i--;
    }
}
int print(int x)
{
    static int i=2;
    return(i--);
}

```

```

#include<stdio.h>
void main(void);
typedef struct NType
{
    int i;
}

```

```

    char c;
    long x;
} NewType;
void main(void)
{
    NewType *c;

    c=(NewType *)malloc(sizeof(NewType));
    c->i=100;
    c->c='C';
    (*c).x=100L;
    printf("(%d,%c,%4Ld)",c->i,c->c,c->x);
}

```

```

#include<stdio.h>
void main(void);
const int k=100;
void main(void)
{
    int a[100];
    int sum=0;
    for(k=0;k<100;k++)
        *(a+k)=k;
    sum+=a[--k];
    printf("%d",sum);
}

```

> **INFOSYS(1998-99)**

>

> **LOGICAL THINKING TEST**

> -----

> **Time : 1 hour**

> **Total Marks : 50**

>

> **ALL QUESTIONS DO NOT CARRY EQUAL MARKS**

>

> **INSTRUCTIONS**

>

> * **Please do not write/mark on the question paper.**

>

> * **Read the questions carefully. Work your answers carefully**

> **and as**

> **rapidly as possible.**

>

> * **Do not spend too much time on questions that seem difficult**
> **for you.**

> **If time permits go back to the ones you have left out.**

>

> * **Answer sheets have been provided to you separately. Use the**
> **first**

> **sheet to write your answers and use the remaining sheets for**
> **the**

> **detailed working.**

>

> * **On completion, please put your answer sheet along with the**
> **working**

> **sheets, inside the question paper and hand them back to us.**

>

> * **There is no negative marking.**

>

>

> Do not turn the page until you are told to do so.

>

>

>

>

>

> 1. 2 Marks

>

> When Arthur is as old as his father Hailey is now, he shall be
> 5 times

> as old as his son Clarke is now. By then, Clarke will be 8
> times older

> than Arthur is now. The combined ages of Hailey and Arthur are
> 100

> years. How old is Clarke ?

>

> 2. 3 Marks

>

> I have one orange glass containing orange juice and another
> white glass

> containing apple juice. I take 50 ml of orange juice and mix it
> with

> apple juice in the white glass. Then I take 50 ml of this
> mixture and

> transfer it back to the orange glass.

> If you compare amount of apple juice in the orange glass and
> amount of

> orange juice in the white glass which is more than the other
> and by

> how much ?

>

> 3. 3 Marks

> The seven digits in this subtraction problem are
> 0,1,2,3,4,5 and 6.

> D A D C B

> E B E G

> B F E G

> **What digit is represented by each letter ?**

> 4.

> The Jones have named their four boys after favourite
> relatives; their

> friends, the Smiths, have done the same thing with their three
> boys.

> **One of the families has twin boys. From the following clues,**
> **can you**

> **determine the families of all seven children and their ages ?**

> i) Valantine is 4 years older than his twin brothers.

> ii) Winston, who is 8, and Benedict are not brothers. They are
> each

> **named after a grandfather.**

> **iii) Briscoe is two years younger than his brother Hamilton,**

> But three

- > years older than Dewey.
- > iv) Decatur is 10 years old.
- > v) Benedict is 3 years younger than Valentine; they are not
- > related.

- > vi) The twins are named for uncles.

>

>

- > 5. 4 Marks

>

- > Motorboat A leaves shore P as B leaves Q; they move
- > across the lake at

- > a constant speed. They meet first time 600 yards from P. Each
- > returns

- > from the opposite shore without halting, and they meet 200
- > yards from

- > Q. How long is the lake ?

>

>

- > 6. 4 Marks

>

- > Fanta, Pepsi and Citra often eat dinner out.

>

- > a) Each orders either coffee or tea after dinner.
- > b) If Fanta orders coffee, then Pepsi orders the drink that
- > Citra orders.

- > c) If Pepsi orders coffee, then Fanta orders the drink that
- > Citra does

- > not order.

- > d) If Citra orders tea, then Fanta orders the drink that Pepsi
- > orders.

>

- > Which person/persons always orders the same drink after dinner

> ?

>

>

> 7.

6 Marks

>

> On the Island of imperfection there is a special road,
> Logic Lane, on

> which the houses are usually reserved for the more mathematical
> inhabitants.

>

> Add, Divide and Even live in three different houses on this
> road (which

> has houses numbered from 1-50). One of them is a member of the
> Pukka Tribe,

> who always tell the truth; another is a member of the Wotta
> Tribe, who never

> tell the truth; and the third is a member of the Shalla Tribe,
> who make

> statements which are alternately true and false, or false and
> true.

>

> They make statements as follows :

>

> ADD : 1 The number of my house is greater than that of
> Divide's.

> 2 My number is divisible by 4.

> 3 Even's number differs by 13 from that of one of the
> others.

>

> DIVIDE : 1 Add's number is divisible by 12.

- > **2 My number is 37.**
- > **3 Even's number is even.**
- >
- > **EVEN : 1 No one's number is divisible by 10.**
- > **2 My number is 30.**
- > **3 Add's number is divisible by 3.**
- >
- > **Find to which tribe each of them belongs, and the number of**
- > **each of**
- >
- > **their houses.**
- >
- >
- > **8.**
- >
- >
- > **The names of the inhabitants of Walkie Talkie Land sound**
- > **strange to the**
- >
- > **visitors, and they find it difficult to pronounce them, due to**
- > **their**
- >
- > **length and a few vowel sounds they contain. The Walkie Talkie**
- > **guide is**
- >
- > **discussing the names of four inhabitants - A,B,C and D. Their**
- > **names**
- >
- > **each contain upto eight syllables, although none of the four**
- > **names**
- >
- > **contain the same number. Two of the names contain no vowel**
- > **sounds; one**
- >
- > **contains one vowel sound; and one contains two vowel sounds.**
- >
- > **From the Guide's statements below, determine the number of**
- > **syllables**
- >
- > **and vowel sounds in each of the four Walkie Talkie names :**

> i) The one whose name contains two vowel sounds is not A.
> ii) C's name does not contain more than one vowel sound or
> fewer than

> **iii)The name with seven syllables does not contain exactly one**
> **vowel**

> **iv) B and C do not have names with the same number of vowel**
> **sounds.**

> **vi) Neither the name with six syllables, nor the B's name,**
> **contains**

8 Marks

 \succ

— — —

>

- - -

>

=====

>

> (1) and (2) represent the same two numbers - in one case
> multiplied

> 9together, in other case divided.

>

> Given that there are no 3's. find the missing digits indicated
> as

> (a), (b), (c) and (d) above ?

>

> 10.

8 Marks

>

> Two identical twins have a very unusual characteristic.
> One tells

> nothing but lies on Mondays, Wednesdays and Fridays, and tells
> nothing

> but the truth all other days. The other tells nothing but lies
> on

> Tuesdays, Thursdays and Saturdays, and tells nothing but the
> truth

> all other days. On Sundays both children speak the truth.

>

> 1) Which of the following statements can be deduced from the
> information presented ?

>

> i) If it is Sunday, the twins will both say so.

> ii) If it is not Sunday,one twin will give the correct day

> and

> the other will lie about everything.

> iii)On any given day, only one twin will give his correct

> name.

>
>
>
>
>
>
>
>

- a) i only
- b) i and ii only
- c) i and iii only
- d) ii and iii only
- e) i,ii and iii

>
> 2) According to the information presented, which of the
> following

> conversations will be impossible.

>
>
>
>

- a) Twin A : "Today you are a liar"
- Twin B : "You are telling the truth"

>
>
>
>

- b) Twin A : "Today you are a liar"
- Twin B : "Today I am a truthteller"

>
>
>
>

- c) Twin A : "Tommorow I shall be a liar"
- Twin B : "That's correct"

>
>
>
>

- d) Twin A : "Tommorow you will be a liar"
- Twin B : "Today you are a truthteller"

>
>
>
>

- e) Twin A : "Yesterday we were both truthtellers"
- Twin B : "You are lying"

>
> 3) Assume that the twins followed a different set of
> rules, so that on

> a given day both told only the truth while next day
> both only lied,

> alternating days of truth telling and lying. Under these
> rules,which

> of the following conversations would be possible ?

>
>
>
>

- a) Twin A : "Today you are a liar"
- Twin B : "That is correct"

>
 >
 > **b) Twin A : "Today you are a liar"**
 > **Twin B : "That is not so"**
 >
 >
 > **c) Twin A : "Tommorow we will be liers"**
 > **Twin B : "Yesterday we were truthtellers"**
 >
 >
 > **d) Twin A : "Tommorow we will be liers"**
 > **Twin B : "You are 1 year older than I am"**
 >
 >
 > **e) Twin A : "We always tell the truth"**
 > **Twin B : "We some times tell the truth"**
 >
 >
 > **4) If the twins are heard saying the following on the same**
 > **day, which**

> **choice presents a correct statement ?**
 >

> **Twin A : "It is Sunday Today"**
 > **Twin B : "Yesterday was Sunday"**
 > **Twin A : "it is summer season now"**
 >

> **a) it is a summer sunday**
 > **b) it is a summer monday**
 > **c) it is Monday but not summer**
 > **d) it is Sunday but not summer**
 > **e) it is impossible to determine whether it is Sunday or**
 > **Monday.**

>
 >
 >
 > -----*

there are total 11 Qs

1. there 120 sq. meter equilateral triangular area, 3 goats are tied at 3 corners. each goat can reach the middle of the opposite face. what is the area covered by a goat, if it can cover one third of common area, half of the area which is covered by other two goats and its own area?

ans: we can divide triangle into 4 equal parts each of 30 sq. meter. so ans is $\frac{1}{3}(30) + \frac{1}{2}(30+30) + 30 = 70$ sq. meter. (2marks)

2. Q about abhor, magre family marriage. pl refer GRE BARRONS for this.

(8marks)

3. a brother is telling about him & his sister's age. 3 years back my age is 7 times my sis's age. 2 years back my age is 4 times. last year 3 times. this year 2 and half times my sister's age. what is ages of sis & bro.

ans: 4 & 10 years. (2marks)

4. wall clock is running slow by 10 min. of every one hour. for every one hour of wall clock, table clock is ahead of 10 min. for every one hour of table clock, alarm clock is late by 5 min. & every one hour of alarm clock, wrist watch is running 5 min. ahead. if all watches are set right at noon. what time will show by wrist watch at 6.00 p.m.

ans: 5.48 p.m. (4m)

5. using the digits 1, 2, 3, 4 repetatively also find the sum of numbers such as 1, 2, 3, 4, 11, 12, 13, 14, etc. upto 4444.

(8m)

6. one fellow told about his horse to his friends. the 3 men commented about the horse as following.

1st man says "it is not brown"

2nd man says "either grey or black"

3rd.....(i can't remember the conditions correctly)

but the ans is horse color is grey. (3m)

7. there are two new temp scales A & B like (deg. C & deg. F). they gave some

numericals. we have to proceed like this for sol.
 $(A - \min) / (\max - \min) = (B - \min) / (\max - \min)$. (2m)

8. there are some families. in which adults are greater than the boys, boys are greater than girls and the girls are > families. there is no family with out child. what r the no. of families. (4m)

9. four man sit on table . they have cards before them. each person can see the one side of color they have before them. each card has different colors on both sides. i can't remeber correctly further. please refer GRE. (8m)

10. problem same as GRE model. there are 3 queens having 3 valuables (one has diamond, other pearl & third has emerald). these are stolen by 3 thieves. they gave conditions. so that we have to find which thief is stolen what & from whom? (5m)

11. there are 100 bulbs numbered from 1 to 100. they gave some conditions
about first they switch off the bulbs which are divisible by 2, then 3, then 4....till 100. finally how many no. of bulbs are in ON position (NOTE: CAREFULLY READ THE CONDITIONS).

hope this will give u very good idea about exam. some Qs r not complete. pl concentrate on similar Qs from GRE BARRONS book.

coming to the interview. it is very fundoo. they will ask about fundas.

ALL THE BEST.

THIS IS INFOSYS 99 FROM IITBHU

q1) a frog jumps 3 ft comes back 2ft in a day in how many days it will come out of 30ft deep well (2 marks) ans 28 days

q2) $A-B=C$

$D/E=F$

$G+H=I$

$C \cdot F = I$ ANS $A=9, B=5, C=4, F=2$.

Q3) when the actual time passes 1hr wall clock is 10 min behind it when 1 hr is shown by wall clock, table clock shows 10 min ahead of it when table clock shows 1 hr the alarm clock goes 5min behind it, when alarm clock goes 1 hr wrist watch is 5 min ahead of it assuming that all clocks are correct with actual time at 12 noon what will be time shown by wrist watch after 6 hr

ans---5:47:32.5

$(n \times 60) \frac{50}{60} \times \frac{70}{60} \times \frac{55}{60} \times \frac{65}{60}$

q4) a soft. engr just returned from US has eaten too much fat & put a lot of weight every Sunday he starts walking 4 km/hr on level ground then up at 3 km/hr then back down hill at 6 km/hr then again on level ground at 4 km/hr till he reaches his destination if he returned home at 9 p.m. what distance did he cover

ans 24km

it is also asked in some paper find half of the distance covered by him in this case ans 12km

q5] one family problem was there in which various relations are given ans is correct 3 families

q6] one question was about cards 4 persons play the game of cards cards are of 4 colour yellow green blue, red find colours of playing cards which are hidden

ans remember the sequence yellow, yellow, green, blue, probably from green

q7] one very easy question just solve two eq, about ages

remember only ans boy=10 yrs or girl=4 yrs or vice versa pl. check it

q8] ans the questions from facts 8 marks

the members of certain tribe are divided into 3 casts abhor, dravid, magar

1 an abhor woman can't marry dravid man

2 a magar man can't marry a dravid man

3 a son takes the caste of his father a daughter takes caste of her mother

5 all marriages except those mentioned are not permitted 6 there are no children born out of a wedlock

1] Aliertnates cant rem u aca previous question

some ans are

q] an abhor woman a alternative is true --- can have a daughter, grandson

q] it can be referred from conditions described that a Magar man

ans is 2 & 3 only iii choice -- cant have a Dravid mother & may have abhor mother

q] an abhor marriage & has three children all of are members of abhor caste each of following is true

ans i & ii only -- i is if c were married to a Magar man

ii-- if c were married to abhor man, they have a male child

easy topic

role of media on youth

& internet revolution

one more q] there are 2 scales of temp A & B it was given A 14 to 133 B 36 to 87

find the temp when temp of a is eq. to temp of b

ans 52.5

let $t = mx + c$ $c = -70$ $m = 51/119$

$a = 51/119 \cdot 70$; $a = 52.5$

this all came in bhu

TCS paper was repeat of 98 some critical reasoning new ques 50 to 70 some new quant question i remember some new q

ans are 1] some rect question % of width is increased like that ans is 4%

2] some packet of 1 a and 2 ---- ans 114 etc

> INFOSYS(1998-99)

 \succ

> LOGICAL THINKING TEST

 \succ

Time : 1 hour

 \succ \triangleright

> ALL QUESTIONS DO NOT CARRY EQUAL MARKS

$$>$$

> INSTRUCTIONS

 \succ

> * Please do not write/mark on the question paper.

 \succ

> * Read the questions carefully. Work your answers carefully

> and as

> **rapidly as possible.**

 \succ

> * Do not spend too much time on questions that seem difficult

> for you.

> **If time permits go back to the ones you have left out.**

 \succ

> * Answer sheets have been provided to you separately. Use the

> first

> sheet to write your answers and use the remaining sheets for

> the

> **detailed working.**

 \triangleright

> * On completion, please put your answer sheet along with the

> working

> sheets, inside the question paper and hand them back to us.

 \succ

> * There is no negative marking.

 \triangleright

>

> **Do not turn the page until you are told to do so.**

>

>

>

>

>

> **1.**

2 Marks

>

> **When Arthur is as old as his father Hailey is now, he shall be**
> **5 times**

> **as old as his son Clarke is now. By then, Clarke will be 8**
> **times older**

> **than Arthur is now. The combined ages of Hailey and Arthur are**
> **100**

> **years. How old is Clarke ?**

>

> **2.**

3 Marks

>

> **I have one orange glass containing orange juice and another**
> **white glass**

> **containing apple juice. I take 50 ml of orange juice and mix it**
> **with**

> **apple juice in the white glass. Then I take 50 ml of this**
> **mixture and**

> **transfer it back to the orange glass.**

> **If you compare amount of apple juice in the orange glass and**
> **amount of**

> **orange juice in the white glass which is more than the other**
> **and by**

> **how much ?**

>

> 3.

3 Marks

>

> The seven digits in this subtraction problem are

> 0,1,2,3,4,5 and 6.

> Each letter represents the same digit whenever it occurs.

>

>

> D A D C B

>

> E B E G

>

> -----

>

> B F E G

>

> -----

>

> What digit is represented by each letter ?

>

>

> 4.

4 Marks

>

> The Jones have named their four boys after favourite

> relatives; their

> friends, the Smiths, have done the same thing with their three

> boys.

> One of the families has twin boys. From the following clues,

> can you

> determine the families of all seven children and their ages ?

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> i) Valantine is 4 years older than his twin brothers.

> ii) Winston, who is 8, and Benedict are not brothers. They are

> each

> named after a grandfather.

> iii) Briscoe is two years younger than his brother Hamilton,

> But three

> years older than Dewey.

> iv) Decatur is 10 years old.

> v) Benedict is 3 years younger than Valentine; they are not
> related.

> vi) The twins are named for uncles.

>

>

> 5.

4 Marks

>

> Motorboat A leaves shore P as B leaves Q; they move
> across the lake at

> a constant speed. They meet first time 600 yards from P. Each
> returns

> from the opposite shore without halting, and they meet 200
> yards from

> Q. How long is the lake ?

>

>

> 6.

4 Marks

>

> Fanta, Pepsi and Citra often eat dinner out.

>

> a) Each orders either coffee or tea after dinner.

> b) If Fanta orders coffee, then Pepsi orders the drink that
> Citra orders.

> c) If Pepsi orders coffee, then Fanta orders the drink that
> Citra does

> not order.

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> orders.

>

> Which person/persons always orders the same drink after dinner
> ?

>

>

> 7. **6 Marks**

>

> On the Island of imperfection there is a special road,
> Logic Lane, on

> which the houses are usually reserved for the more mathematical
> inhabitants.

>

> Add, Divide and Even live in three different houses on this
> road (which

> has houses numbered from 1-50). One of them is a member of the
> Pukka Tribe,

> who always tell the truth; another is a member of the Wotta
> Tribe, who never

> tell the truth; and the third is a member of the Shalla Tribe,
> who make

> statements which are alternately true and false, or false and
> true.

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> They make statements as follows :

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> ADD : 1 The number of my house is greater than that of
> Divide's.

> 2 My number is divisible by 4.

> 3 Even's number differs by 13 from that of one of the
> others.

>

> **DIVIDE : 1 Add's number is divisible by 12.**

> **2 My number is 37.**

> **3 Even's number is even.**

>

> **EVEN : 1 No one's number is divisible by 10.**

> **2 My number is 30.**

> **3 Add's number is divisible by 3.**

>

> **Find to which tribe each of them belongs, and the number of**
> **each of**

> **their houses.**

>

>

> **8.**

8 Marks

>

>

> **The names of the inhabitants of Walkie Talkie Land sound**
> **strange to the**

> **visitors, and they find it difficult to pronounce them, due to**
> **their**

> **length and a few vowel sounds they contain. The Walkie Talkie**
> **guide is**

> **discussing the names of four inhabitants - A,B,C and D. Their**
> **names**

> **each contain upto eight syllables, although none of the four**
> **names**

> **contain the same number. Two of the names contain no vowel**
> **sounds; one**

> **contains one vowel sound; and one contains two vowel sounds.**

>

> **From the Guide's statements below, determine the number of**
> **syllables**

>
 >
 >
 >
 >

| | | |
|---|---|---|
| - | - | - |
| - | - | - |
| = | = | = |
| = | = | = |
| = | = | = |
| = | = | = |
| = | = | = |
| = | = | = |

> (1) and (2) represent the same two numbers - in one case
 > multiplied

> 9together, in other case divided.

>
 > Given that there are no 3's. find the missing digits indicated
 > as

> (a), (b), (c) and (d) above ?

>
 > 10. 8 Marks

>
 > Two identical twins have a very unusual characteristic.
 > One tells

> nothing but lies on Mondays, Wednesdays and Fridays, and tells
 > nothing

> but the truth all other days. The other tells nothing but lies
 > on

> Tuesdays, Thursdays and Saturdays, and tells nothing but the
 > truth

> all other days. On Sundays both children speak the truth.

>
 > 1) Which of the following statements can be deduced from the
 > information presented ?

>
 > i) If it is Sunday, the twins will both say so.
 > ii) If it is not Sunday,one twin will give the correct day
 > and

> the other will lie about everything.
 > iii)On any given day, only one twin will give his correct
 > name.

>

>

a) i only

>

b) i and ii only

>

c) i and iii only

>

d) ii and iii only

>

e) i,ii and iii

>

> 2) According to the information presented, which of the
> following

> conversations will be impossible.

>

>

a) Twin A : "Today you are a liar"

>

Twin B : "You are telling the truth"

>

>

b) Twin A : "Today you are a liar"

>

Twin B : "Today I am a truthteller"

>

>

c) Twin A : "Tommorow I shall be a liar"

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>

Twin B : "Today you are a truthteller"

>

>

e) Twin A : "Yesterday we were both truthtellers"

>

Twin B : "You are lying"

>

> 3) Assume that the twins followed a different set of
> rules, so that on

>

a given day both told only the truth while next day

> both only lied,

>

alternating days of truth telling and lying. Under these

> rules,which

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of the following conversations would be possible ?

>

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 >
 > c) Twin A : "Tommorow we will be liers"
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 > d) Twin A : "Tommorow we will be liers"
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 > 4) If the twins are heard saying the following on the same
 > day, which

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 >

> Twin A : "It is Sunday Today"
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 > Twin A : "it is summer season now"
 >

> a) it is a summer sunday
 > b) it is a summer monday
 > c) it is Monday but not summer
 > d) it is Sunday but not summer
 > e) it is impossible to determine whether it is Sunday or
 > Monday.

>
 >
 > -----*-----

**Here is the infosys paper It may not contain full
> questions and ans**

> Understand it

>

>

**> 1. There are 4 married couples out of which 3 a group
> is needed . But the**

**> should not be his or her spouse .How many groups are
> possible ?**

> Ans 32

>

**> 2. In the 4 digits 1,2,3,4 how many 4 digit numbers are
> possible**

> which are divisible by 4? Repetitions are allowed

> Ans 64

>

**> 3. Two men are going along a track of 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 coming in
> opposite direction**

**> in 18 sec .After the train has passed, when the two
> persons will meet?**

>

> Approx 72min check it once.

>

**> 4. The no. of children > adults . The no. of adults > the
> no. of boys .**

> The no. of boys > no. of girls .The no. of girls > no. of
> family conditions

> 1.No family is without a child

> 2 Every girl has atleast one brother and sister .

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

> 6. There are 4 boys Anand ,Anandya ,Madan and Murali with
> nicknames perich ,zombie ,drummy and madeena not in the same
> order

> Some conditions

> Ans Anand : Perich

> Anandya: drummy

> Madan : Zombie

> murali: Madeena

> 7. There are 2 diamonds ,1 spade and 1 club and 1 ace and also 1 king ,1
> jack

> and 1 ace are arranged in a straight line

> 1.The king is at third place

> 2.The left of jack is a heart and its right is king

> 3. No two red colours are in consecutive.

> 4.The queens are separated by two cards. Write the order in which
> suits

> (hearts ,clubs)and names(jacks queens etc.)

> 8. Write each statement is 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 at most 3 false statements

- > 5. There is no two consecutive true statements
- > 6. If this contains only 1-5 statements, the answer of this is
- > same as the answer of the following question

- >
- > 9. Question on Venn diagram.
- > All handsome are also fair skinned
- > Some musculars are fair skinned
- > Some musculars are also handsome
- > All lean are also muscular
- > Some lean are also fair skinned.
- > All rich man is not fair skinned but all rich man are handsome
- >
- > Some questions follow.
- > 10
- > There are 3 piles each contain 10 15 20 stones. There are
- > A, B, C, D, F, G

- > and h persons. One man can catch up to 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 Internet revolution
- > 2. Media for youth

Test paper : Infosys recruitment 2002 at IITB

=====

Q1) If the prices of a commodity go up by 20 % every odd year and down

by

25% every even year, will its price be higher or lower than what it is today after 10 years.

Q2) A and B cycle at rate of 6 miles per hour. They live 36 miles apart.

Once they set out to meet each other Halfway. A has a pigeon which he releases as he starts cycling. The pigeon flies back and forth between the

two of them at a rate of 18 miles per hour. How much has the pigeon flown

when they meet.

Q3) I have a rope 20 mt. long which I cut randomly into 2 pieces. These

pieces I then use to make squares. Find out the probability that :

a) The larger square has at least an area of 9 sq. m.

b) The total area of 2 squares is more than 20.5 sq m.

Q4) My friend lives in a house situated in a Colony having houses 1-82 numbered consecutively. I asked him 3 questions, to which he answered truthfully. I was able to guess his house no. correctly .I cant tell

you

the answers but I'll tell you what I asked. Can you tell me his house

no

???

1) Is the no. under 41 ?

2) Is it divisible by 4 ?

3) Is it a Square ?

Tell my friends house no. ?

5) Holmes, Watson and Inspector Lestgrade sit for a quiz. The quiz had

in

all 30 questions and in all there were 45 right answers were given. The inspector was able to score only 55% of points scored by Holmes. Also, the total no of points secured by Watson and Lestgrade was 25% more than

that of holmes, how many did they score.

6) Mr. Perkinson travels by SLOWCOACH express. This particular train

leaves his home town daily at 0900 hrs and reaches the destination after 3

days of travel at 0930 hrs. The timings for returning trains are same, i.e. 0900 hrs and reaching hometown at 0930 hrs. How many trains does

sees by the same name as he travels to his destination ?

7) There are three tribes A , B and C. According to tradation, the women

of A dont marry males of Tribe B. Also Males of tribe C do not marry women

of Tribe B. Further, in case of children, the son inherits his father's

tribe while the daughter inherits his mother's'. Based on this answer which

of the following statements are true.

If a girl of tribe A marries a male of tribe C then :

- a) they can't have a C granddaughter
- b) they may have a grandson of tribe B
- i) (a) only
- ii) (b) only
- iii) (a) and (b)
- iv) neither

and similar stuff like that,,,,,,,,

8) I met 3 girls at a party and I happened to ask them their ages by mistake, Instead of telling me what I sought, they told me this :

Suman: If Rena is the youngest then I am the oldest.

Rena:

Jyoti: All of us are over 24 yrs.

Rena: Either Suman is 26 or I am 25 or Jyoti is 24

Suman: Mine and Jyoti's age combined exceeds twice Rena's age by 2.

Jyoti :

<set of 9 statements, 3 by each, will try to recall them later>

They also told me one of them were lying throughout. I still havent figured out who was of which age... can you help me out ???

9) A question about 5 houses of different colours each having a fellow of

different nationality, drinking his own blend of ciggerette and drinking

his favorite drink and having a pet of his own liking.

10 confusing statements of DATA ... giveup, cant remember.. and 3 parts..

like a) who owns the zebra b) which house serves coffee c) the englishman

lived where ???

Writing Skill: Write an essay of about 200 words on any one of the following topics.

- 1) Smoking should be allowed in public places. ((yes/no)+why?)**
- 2) I want to live in a Big City. ((yes/no)+why?)**

three. I have answers for Q/A paper. For Q/C you should try for answers.

**INFOSYS 1997. TIME 1hr.
PAPER CODE Q/A. marks 50.**

1)At 6'o clock clock ticks 6 times. The time between first and last ticks was 30sec. How much time it takes at 12'o clock.

Ans. 66 sec. 2 marks.

2)Three friends divided some bullets equally. After all of them shot 4 bullets the total no.of remaining bullets is equal to that of one has after division. Find the original number divided.

Ans. x x x

$$x-4 \quad x-4 \quad x-4$$

$$3x-12 = x$$

$$x = 6$$

ans is 18

2 marks

3) A ship went on a voyage after 180 miles a plane started with 10 times speed that of the ship. Find the distance when they meet from starting point.

$$\text{Ans. } 180 + (x/10) = x$$

$$x = 20$$

ans is $180+20=200$ miles.

2 marks

4) Fill the empty slots.

Three FOOTBALL teams are there. Given below the list of matches.

| | played | won | lost | draw | Goals for | Goals against |
|---|--------|-----|------|------|-----------|---------------|
| A | 2 | 2 | *0 | *0 | *7 | 1 |
| B | 2 | *0 | *1 | 1 | 2 | 4 |
| C | 2 | *0 | *1 | *1 | 3 | 7 |

the slots with stars are answers. 4 marks

BC drew with 2-2

A won on B by 2-0

A won on C by 5-1

(YOU HAVE TO FILL THE BLANKS AT APPROPRIATE STAR SYMBOLS.)`

5) There are 3 societies a,b,c. a lent tractors to b and c as many as they had. After some time b gave as many tractors to a and c as many as they have. After sometime c did the same thing.

At the end of this transaction each one of them had 24.

Find the tractors each originally had.

Ans a had 39, b had 21, c had 12,

4 marks

6) There N stations on a railroad. After adding x stations 46 additional tickets have to be printed. Find N and X.

$$\text{Ans. let } N(N-1) = t;$$

$$(N+x)(N+x-1) = t+46;$$

trail and error method $x=2$ and $N=11$ 4 marks

7) Given that April 1 is tuesday. a,b,c are 3 persons told that their farewell party was on

- a - may 8, thursday
- b - may 10, tuesday
- c - june 8, friday

Out of a,b,c one is only correct one of the regarding month, day, date. Other told two correct and the third person told all wrong. What is correct date, month, day. 5 marks

(ans may be MAY 10 SUNDAY. check once again)

8) There are 4 parties. df, gs, dl (deposit loss), ew ran for a contest.

Anup, Sujit, John made the following statements regarding results.

Anup said either df or ew will definitely win

sujit said he is confident that df will not win

John said he is confident that neither ew nor dl will win

the result has come. only one of the above three has made a correct statement. Who has made the correct statement and who has won the contest. 5 marks.

(ans DL)

9) Five people a,b,c,d,e are related to each other. Four of them make one true statement each as follows.

i) b is my father's brother. (ans. d said this)

ii) e is my mother-in-law. (b)

iii) c is my son-in-law's brother. (e)

iv) a is my brother's wife. (c)

who said each statement.

10 marks.

10) All members of d are also members of a

All " e " d

all " c " both a and b

not all " a are members of d

not all " d " e

Some questions on these conditions. (5 questions 5 marks)

11)

boys are allowed to watch football at c.v. Raman auditorium subjected to

conditions.

i) the boy over age 16 can wear overcoat

- ii) no boy over age 15 can wear cap
- iii) to watch the football either he has to wear overcoat or cap or both
- iv) a boy with an umbrella or above 16 or both cannot wear sweater.
- v) boys must either not watch football or wear sweater.

What is the appearance of the boy who is watching football.
Try to solve this question.....

ok!!!!
infosys paper 1997.
paper code q/c.

- 1) $be * be = acb$
a,b,c,e are non zero numbers find b,e.
ans) $b=1$ $e=9$
- 2) a,b,c,d,e are having numerical values. there are some conditions given
 - a) $a=c \iff b \neq e$
 - b) difference between a and c is same as difference between c and b as same as difference between a and d
 - c) $c < a$ and $c > d$
 then find a,b,c,d,e
- 3) there are six cards in which it has two king cards. all cards are turned down and two cards are opened
 - a) what is the possibility to get at least one king.
 - b) what is the possibility to get two kings.
- 4) a person went to a shop and asked for change for 1.15 paise. but he said that he could not only give change for one rupee. but also for 50p, 25p, 10p and 5p. what were the coins he had
ans) 1-->50 4--->10p 1--->25p
- 5) there are 3 nurses and they work altogether only once in a week. no nurse is called to work for 3 consecutive days.
nurse 1 is off on tuesday, thursday and sunday.
nurse 2 is off on saturday.
nurse 3 is off on thursday, sunday.
no two nurses are off more than once a week.

find the day on which all the 3 nurses were on work.

6) there are 5 persons a,b,c,d,e and each is wearing a block or white cap on his head. a person can see the caps of the remaining 4 but can't see his own cap. a person wearing white says true and who wears block says false.

i) a says i see 3 whites and 1 block

ii) b says i see 4 blocks

iii) e says i see 4 whites

iiii) c says i see 3 blocks and 1 white.

now find the caps weared by a,b,c,d and e

7) there are two women, kavitha and shamili and two males shyam, aravind

who are musicians. out of these four one is a pianist, one flutist, violinist and drummer.

i) across aravind beats pianist

ii) across shyam is not a flutist

iii) kavitha's left is a pianist

iiii) shamili's left is not a drummer

v) flutist and drummer are married.

8) $\frac{1}{3}$ ed of the contents of a container evaporated on the 1 st day.

$\frac{3}{4}$ th of the remaining contents of the container evaporated the second day. what part of the contents of the container are left at the end of the second day.

9) a man covered 28 steps in 30 seconds but he decided to move fast and covered 34 steps in 18 seconds. how many steps are there on the escalator when stationary.

10) all fair skinned, rich, handsome, muscular, lean and employed are tall men

1) all lean men are muscular.

2) no fairskinned person who is not rich is handsome.

3) some muscular men are handsome.

4) all handsome are fairskinned.

5) no person who is neither fair skinned nor muscular is enplyed.

6) we unable to recall this condition and question also incomplete.

1 FIND THE ASTERIKS

$$16 * 12 * 2 * 3 = 99$$

2 SAKUNTALA DEVI PUZZLE TO PUZZLES YOU 2 ND PROBLEM

ANS 28 MIN

3 AN OLD WOMAN TRAVELLING AN UP HILL WITH SPEED OF 2 MILES PER HOUR.
WHILE COMING DOWN 4 MILES PER HOUR

THE TOTAL JOURNEY IS 6 HRS. WHAT IS THE LENGH TRAVELLED TO THE TOP? ANS
8 MILES

4 TOM, HARRY, DIKKY 3 GOLFERS. WHILE THEY ARE GOING
FIRST ONE TOLD THAT" MIDDLE ONE IS HARRY" 2 ND ONE SAID THAT" I AM THE
DIKKY" 3 RD ONE TOLD "THE MIDDLE IS TOM"

TOM IS VERY HONEST , DIKKY SOMETIMES TELLS LIES & SOMETIMES TRUTH.
HARRY ALWAYS TELLS LIES

FIND THEIR POSITIONS

ANS 1. TOM 2 HARRY 3 DIKKY

5 2 FRIENDS HAS GONE TO SHOP & BROUGHT 4 ITEMS . THE SHOP CLEARLY
INSTEAD OF ADDITION HE MULTIPLIED THE 4 ITEMS COST. 1 OF HIS FRIENDS
CONFIRMED THAT EVEN ADDITION OF WE GET THE SAME PRICE . TOTAL COST OF 4
ITEMS

6.75 RS

1 ITEM COST IS 1.50 RS. FIND OTHER COSTS?

ANS 2.00 RS , 1.00RS, 2.25 RS

6 ANDY, BRAIN, CROWDY, DAVE ARE ARCHITECT, BARBER, CAESE WORKER &
DENTIST NOT RESPECTIVELY. FOLLOOING CONDITIONS
AT LEAST ONE NAME COMES WITH SAME INITIAL LETTER
ARCHITECT DOES NOT CONTAIN 'R'

BARBER & DENTIST CONTAIN SAME LETTERS

ANS DOUBT

7 2 MEN GOING BACK TO BACK PARALLEL TO THE RAILS AT THE STATION. WHILE
CROSSING THE HEAD OF THE TRAIN TO 1 HE STARTS MOVING & HE STOPS AFTER
CROSSING THE TAIL. THE DISTANCE TRAVELLED 30 M. ANOTHER ONE ALSO STARTS
CROSSING THE HEAD OF THE TRAIN & HE STOPS AFTER PASSING THE TAIL. THE
DISTANCE TRAVELLED 40 M.

THEY TRAVELLED WITH SAME VELOCITY.

WHAT IS THE LENGH OF THE TRAIN

ANS 240 M

8 RELATED TO WORK TIME DISTANCE PROBLEM

ESSAY ; 15 MIN

WHAT IS YOUR IDEA ABOUT MATCH FIXING IN CRICKET

HOW CAN YOU CRUB IT

OR

IN OUR DAY TO DAY LIFE "IT" PLAYS A ROLE RELATED TO ROBOTS
YOUR OPINION FROM PRAKASH

MNREC, ALLAHABAD

13.7 .2001

3.13.23.33.43.53.63.73.83.93.103.113.123.130.131.132.133.134.135.136.137.138.139.143.153.163.173.183.193.203.213.223.230.231.232.233.234.235.236.237.238.239.243.253.263.273.283.293.300.301.302.303.304.305.306.307.308.309

Infy was in SGSITS on 2 May 04

Total 11 question 50 marks 1 hr

1.A person is cutting the boundary of pages he accidentally cuts the binding of book

and all the pages spreads on the floor he start collecting them and while doing this he notices that digit 3 comes 61 times in all page no's. What are the no of pages in the book?

ANS: 309

2.a person chooses a number between 1-1000 what is the probability that another person chooses a no higher than the first person?

3 two trains start from station A and B and take 5 hrs to reach the other station how many trains will cross.

4 A couple decided to go north country side they traveled min distance on the first day and then 20 km more on each day .they traveled 9 days for 1080km.

a) how much they traveled on 4th day

b) on the last day

5) There is a area of 100 sq foot and a farmer wants to plant trees on the field such that each plant has a distance of 10 feet b/w them how many maximum no of plants that can be planted on the field u can plant on boundaries

6)A and B together take some collar and cuffs to the laundry total 30 in number .A takes out half the cuffs and one third of collars and pays 27 cents for the bill how many cents B has to pay for the remaining if 5 cuffs cost the same as 4 collars .

7)on a hill station a watch due to cold slows $\frac{1}{3}$ minute in the night and gains $\frac{1}{2}$ min in the day so it total gains $\frac{1}{6}$ minute if on 1st may it is showing correct time than on which day it will be 5 minuets fatser.

8)Prof. Weird uses a formula $X = 30 + 4R - W$ where X is the total score R is the no of right answer and w is the no of wrong answer for calculating score in a multiple choice question paper having 80 question .students are not penalized for leaving the question unanswered A student tells Prof weird that his score is above 80 and Prof is able to determine the no of question the student has done correctly if the student has told that his score is somewhat lower but still above 80 he would not be able to determine the no of correct answer.

9)three person JOHN ,HOWARD & ANDREW each has taken three subjects among physics ,chemistry,maths, biology, each one of them makes 4 statement about the subjects they have taken in which 2 are correct and 2 are wrong (all in all 8 wrong 8 correct) -I can not remember all the statement but some of them was like we all have taken at least one common ,one of us has not take biology etc etc find who has taken which subject

10)there are 2 window pan left pan and right pan having three cells each and we have 7 diamonds(a,b,c,d,e,f,g) we have to arrange 3 in left pan and three in right pan and some conditions are there like a has to be place in the left pan g must be in the right d and e has to be placed together d and f can not be placed together based on these condition 4 questions were there each of 2 marks this question was easy one.

11)a person buys two piece X and Y ,Together they cost less than 10\$.X has as many pieces as Y costing in cents and vice versa find the cost of each.

Note -all question based on memory so some ambiguity might be there but the questions were more or less like that English section was quite easy involving tenses ,confusable words ,reading comprehension

For any clarification mail me at abhinav_sgstis@yahoo.com

Thanks to the group for providing help
I want CSC,HSBC,tcs paper now

THIS IS INFOSYS 99 FROM IITBHU

q1) a frog jumps 3 ft comes back 2ft in a day in how many days it will come out of 30ft deep well (2 marks) ans 28 days

q2) $A-B=C$

$D/E=F$

$G+H=I$

$C.F=I$ ANS $A=9, B=5, C=4, F=2$.

Q3) when the actual time passes 1hr wall clock is 10 min behind it when 1 hr is shown by wall clock, table clock shows 10 min ahead of it when table clock shows 1 hr the alarm clock goes 5min behind it, when alarm clock goes 1 hr wrist watch is 5 min ahead of it assuming that all clocks are correct with actual time at 12 noon what will be time shown by wrist watch after 6 hr

ans---5:47:32.5

$(n \times 60) \times 50/60 \times 70/60 \times 55/60 \times 65/60$

q4) a soft. engr just returned from US has eaten too much fat & put a lot of weight every Sunday he starts walking 4 km/hr on level ground then up at 3 km/hr then back down hill at 6km/hr then again on level ground at 4km/hr till he reaches his destination if he returned home at 9 p.m. what distance did he cover

ans 24km

it is also asked in some paper find half of the dist covered by him in this case ans 12km

q5] one family problem was there in which various relations are given ans is correct 3 families

q6] one question was about cards 4 persons play the game of cards cards are of 4 colour yellow green blue, red find colours of playing cards which are hidden

ans remember the sequence yellow, yellow, green, blue, probably from green

q7] one very easy question just solve two eq, about ages

remember only ans boy=10yrs or girl =4 yrs or vice versa pl. check it

q8] ans the questions from facts 8marks

the members of certain tribe are divided into 3 casts abhor, dravid, magar

1 an abhor woman can't marry dravid man

2 a magar man can't marry a dravid man

3 a son takes the caste of his father a daughter takes caste of her mother

5 all marriages except those mentioned are not permitted 6 there are no children born out of a wedlock

1] alienates can't remember a previous question

some ans are

q1] an abhor woman an alternative is true ---can have a daughter, grandson

q2] it can be inferred from conditions described that a magar man

ans is 2 & 3 only iii choice ---can't have a dravid mother & may have abhor mother

q3] an abhor marriage & has three children all of them are members of abhor caste each of the following is true

ans i & ii only --i is if c were married to a magar man

ii-- if c were married to abhor man, they have a male child

eassy topic
 role of media ohun youth
 & interner revolution
 one more q] there are 2 scales of temp A & B it was given A 14 to 133
 B 36 to 87
 find the temp when temp oa a is eq. to temp of b
 ans 52.5
 let $t = mx + c$ $c = -70$ $m = 51/119$
 $a = a.51/119 - 70$; $a = 52.5$
 this all came in bhu
 TCS paper was repeat of 98 some crirtical reasoning new ques 50 to 70
 some new quants question i rembember some bnew q
 ans are 1]some rect question %of widthis inscresaded like that ans is
 4%
 2]some packet of 1 a and 2 ---- ans 114 etCn

Hi this is the question paper of infi exam on July 18 in Blore and it was a bit difficult for me and one more thing is don't write the exam without confidence and preparation

The questions asked are upto my remembrance I am sending u 2 give u an idea that may help u and prepare from Shakunthala Devi's more puzzles and puzzles to puzzle u and George Summers and don't forget to study analytical reasoning from Barron's (old GRE)

The questions are like this

1. A train problem says gas cylinder blew off before some time and they gone at some constant speed and they reached late by 40 min and an accident has occurred further 50 miles and if they gone at some (speed given) so we have 2 find the distance

2. a husband and wife ages problem silly and easy

3. (I have no idea but it says) a friend coming to his friend's office said there will be 30 clerks in ur office but the other no they will be less than 30 and said if there are twice no of girls than men or men 3 times to girls then and also u have 2 wait 4 1 or more years and find how many no of men and girls.

4. given a,b,c,d and 1,2,3,4 are something relative to each other and given some conditions and we have 2 find what values will be given to each digit a\c to conditions

the conditions will be like this upto my remembrance

if a is 1 then d is not 4

if b is not 2 then d is 1

if c is 2 then d is not 3

if d is 4 then a is not 1

some thing (above conditions of mine may not be correct)

5. easy but time killing question says a five digit number and conditions given like this

- 1. third digit is greatest**
- 2. first is one less than third**

3. third is sum of 4d and 5d
4. and also digit 4 lies in between digit 2 and digit 1
5. and also 2 primes are present and don't consider 1 as prime
ans may be 42635
6. A problem I can't remember it correctly but it is in one of
shakunthala or George Summers as a problem of party and also a
strange word starts with k and in that we have to find total no of
men in the party.
7. A pipes problem says 2 pipes fill with at some speeds and one
waste pipe empty at some speed and we have to find when will they
fill container when all are open.
But I remember the answer as 30 min

8 easy probability problem

9. Analytical reasoning question

a, b, c, d, e are five people speak five languages

French, Spanish, Italy, Portuguese and English and some conditions are
given and some I think 4 questions are given like who will speak
which language some what easier.

Note : the analytical questions carries max marks

10. a problem of dice says it is made into 27 small cubes and its outer
walls are painted in red and we have to find

a. how many cubes in no red faces, 2 red faces, 3 red faces, 1 red face

English will be quite easy and it involves 45 questions

Reading comprehension

Fill with appropriate word

Fill with phrase

Prepositions and some 5 questions on sentence correction and that's it I
remember

And hope you will prepare well as I missed out