

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

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)

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.

INFOSYS PAPER 1997.

PAPER CODE Q/C.

-----  
1a)  $BE * BE = ACB$

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 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

A) WHAT IS THE POSSIBLITY 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) 1/3 ED OF THE CONTENTS OF A CONTAINER EVAPORATED ON THE 1 ST DAY.

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 EMPLOYED.

-----

INFOSYS TECHNOLOGIES LIMITED.

-----

Question Paper

-----

Part 1.

-----

(1) 9 cards are there. u have to arrange them in a 3\*3 matrix. cards are of 4 colors.they are red,yellow,blue,green. conditions for arrangement: one red card must be in first row or second row.2 green cards should be in 3rdcolumn.Yellow cards must be in the 3 corners only. Two blue cards must be in the 2nd row. Atleast one green card in each row.

Solution:

Yello Red Gren

Blu Blu Gren

Yello Gren Yello

2. 4 cards are placed on a table, each card has two colors. U don' t know the color of the back side of eachcard.4 persons A B C and D are sitting on the table before the cards. They can see Red, Green Red and blue .Out of the 4 poeple 2 always lie. They see the color on the reverse side and give the following comment

A: Yello/green

B: Neither Blue/nor Green

c: Blue/Yello

D: Blue/ Yello

find out the color on the other side of the 4 cards.

3.Red and brown tribes [FROM BARRONS GRE] Conditions to get married with each other.

4. Venn diagram regarding Rich, muscular, soft-skinned, employed, etc.,( Refer BARRONS GRE GUIDE)

-----

PART 2.

-----

1. A family I know has several children. Each boy in this family has as many sisters as brothers but each girl has twice as many brothers as sisters. How many brothers and sisters are there?

ans: 4 boys and 3 girls.

2. No. of animals is 11 more than the no. of birds. If the no. of birds were the no. of animals and no. of animals were the no. of birds(ie., interchanging no.s of animals and birds.), the total no. of legs get reduced by one fifth (1/5). How many no. of birds and animals were there?

ans: birds:11,animals:22

3. In a soap company a soap is manufactured with 11 parts.  
For making one soap you will get 1 part as scrap. At the  
end of the day u have 251 such scraps. From that how many  
soaps can be manufactured?ans:  $22 + 2 + 1 = 25$ .

4. 2 \* \* |

3 \* \* | No. 7 does not occur in this

----- |

5 \* \* | multiplication.

\* 4 \* |

\* \* 3 | Find the product.

----- |

\* \* \* \* \* |

----- |

-----  
ans 2 8 1

3 2 2ticularly exciting part of your business appears to be \_\_\_\_\_."

3."I know enough to know this is an exciting place to work. It appears to be fit for my career goals."

7. What is a weakness?

1. I get really frustrated with my co-workers when they whine about everything.

2. I don' t "toot my own horn". I like to go in and get the job done and I don' t dwell on who gets credit.

3. I don' t think I have a weakness.

8. How would you characterize your work style?

1. I am a very driven person. I make a list of what needs to be done and then tackle the items until I' ve completed the job.

2. I show up whenever I' m scheduled to work.

3.I haven' t held a job yet so I don' t know what my work style will be.

9. What are your strengths?

1."I am good at giving constructive criticism to my coworkers.  
This honesty is something I' m very proud of and have found essential  
to having open working relationships

2."I consider myself to be very consistent. I have proven myself to be  
someone who can be counted upon to do what is expected."

3."I would have to chose between two skills. I am very proud of my determination and ability to get things  
done. At the same time, I am very proud of my analytical abilities and problem solving skills.  
These skills combine to give me a unique ability to solve problems and then implement the solutions."

10. How would co-workers describe you?

1."They perceive me as a leader. The people who have worked with me learned great deal and  
accomplished in many cases more than they thought possible."

2."My employees would tell you they got direction when they needed and the room to work when it was appropriate. I believe a measure of a good manager is how much he is able to get done through others."

3."They perceive me as someone who cared about them personally and had high expectations. I get a great deal of satisfaction from helping others do their best. My former employees would

Puzzle books. I wish all of you the best.

Send me the mail immediately after the written test will

be over. thank you.