

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.
Try to solve this question.....

YOU HAVE TO DO SOME ROUGH WORK FOR EACH QUESTION . IT WILL
CARRY SOME GRACE MARKS.