. At 6'o a clock ticks 6 times.
The time between first and last ticks is 30 seconds.
How long does it tick 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 number of bullets remaining is equal to the bullets each had after division.
Find the original number divided.

Ans: 18 (2 marks)

Initially . x x x
Now x-4 x-4 x-4
Equation is 3x-12 = x

3. A ship went on a voyage.
After it had travelled 180 miles a plane statrted with 10 times the speed of the ship.
Find the distance when they meet from starting point.

Ans: 200miles. (2 marks)
Distance travelled by plane = 1/10 distance travelled by ship + 180

4. Complete the Table given below:

Three football teams are there. Given below is the group table. Fill in the x's

	Played	Won	Lost	Draw	Goals For	Goals Against
A	2	2	x	x	x	1
B	2	x	x	1	2	4
C	2	x	x	x	3	7

Ans: The filled table is given below (4 marks)

	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

5. There are 3 societies A, B, C.
A lent cars to B and C as many as they had already.

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 cars each orginally had.

Ans: A had 39 cars, B had 21 cars & C had 12 cars (4 marks)

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

Ans. x=2 and N=11

Let initially, N(N-1) = t
After adding, (N+X)(N+X-1) = t+46
By trail and error method (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 5, friday

Out of A, B, C only one made a completetly true statement concerning date,day and month
The other told two one told the day right and the other the date right..
What is correct date, month, day.

Ans: B - (May 10) SUNDAY
C - June 6 (Friday). (5 marks)

8. The Bulls, Pacers, Lakers and Jazz ran for a contest.
Anup, Sujit, John made the following statements regarding results.

- Anup said either Bulls or Jazz will definitely win
- Sujit said he is confident that Bulls will not win
- John said he is confident that neither Jazz nor Lakers will win

When the result cameit was found that only one of the above three had made a correct statement.
Who has made the correct statement and who has won the contest.

Ans: Sujith; Lakers (5marks)

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.
(ii) E is my mother-in-law.
(iii)C is my son-in-law' s brother

(iv)A is my brother' s wife.

Ans: (i) D
(ii) B
(iii) E
(iv) C (10 marks)

10. Some statements are given below:

- L says all of my other four friends have money
- M says that P said that exactly one among them has money
- N says that L said that precisely two among them have money
- O says that M said that three of the others have money
- P, L and N said that they have money

All the above statement are false..
Who has money & who doesn' t have any money?

(5 marks)