

COGNIZENT PAPER

1. A says " the horse is not black".

B says " the horse is either brown or grey."

C says " the hoese is brown"

At least one is telling truth and atleast one is lying. tell the colour of horse?

Answer : grey

2. A son and father goes for boating in river upstream . After rowing for 1 mile son notices the his fathe falling in the river.After 5 min. he tells his father that his hat has fallen. So they t round and are able to pick the hat at the point from where they began boating after 5min. Tell the speed of river?

Ans...6 miles/hr

3. $A+B+C+D=D+E+F+G=G+H+I=17$ where each letter represent a number from 1 to 9. Find what does letter D and G represent if letter A=4. (8 marks)

Ans. D=5 G=1

4. Argentina had football team of 22 player of which captain is from Brazilian team and goalk European team. For remainig palayer they have picked 6 from argentinan and 14 from eucr Now for a team of 11 they must have goalki and captain so out of 9 now they plan to selec rgentinian and 6 from European. Find out no. of methods avilable for it. (2 marks)

Ans : 160600 (check out for right no. $6C3 * 14C6$)

5. Three thives were caught stealing sheep, mule and camel.

A says " B had stolen sheep "

C says " B had stolen mule"

B says he had stolen nothing.

The one who had stolen horse is speaking truth. the one who had stolen camel is lying . Te had stolen what? (5 marks)

Ans. A- camel ;B- mule ;C- horse

6. A group of friends goes for dinner and gets bill of Rs 2400 . Two of them says that they hav forgotten their purse so remaining make an extra contribution of Rs 100 to pay up the bill. no. of person in that group. (3 marks)

Ans - 8 person

7. In acolony there are some families. Each of them have children but different in numbers.Fo are conditions:

A) No of adult no of sons no of daughters no of families.

B) Each sister must have atleast one brother and should have at the most 1 sister.

C) No of children in one family exceeds the sum of no of children in the rest families.

Tell the no of families.(5 marks)

Ans : 3 families

8. There are 6 people W,H,M,C,G,F who are murderer , victim , judge , police, witness, hangr There was no eye witness only circumtancial witness. The murderer was sentenced to deatl Read following statement and determine who is who.

1. M knew both murderer and victim.

2. Judge asked C to discribe murder incident.

3. W was last to see F alive.

4. Police found G at the murder site.

5 H and W never met.

(8 marks)

(5 marks)

The above mentioned questions are of 37 marks rest I don't remember as they had no of conditions. One which mentions about hindustani music Gazals ect. is to be solved through venn diagram marks. and another was grading 5 student which was of 5 marks.