

## INFOSYS PAPER - 05 MAR 2006 - CHENNAI

1) Farmer Jones sold a pair of cows for Rs.210. On one he made a profit of ten percent and on the other he lost ten percent. Altogether he made a profit of five percent. How many did each cow originally cost him?

Ans: 150, 50

2) There are 5 towns - nalanda, thirlothika, rampur, solanpur and maninagar. So say N, T, S, R, M. Out of these, 4 are capitals, 3 industrial towns, two hill stations, two towns are on same longitude. Population of two cities is less than five lakhs and that of one city is 20 lakhs, also of other two cities is more than 50 lakhs. Thirlothika is an industrial town. Maninagar's population is 20 lakhs. There are 4 capitals and two industrial towns. Now some data are given involving longitudes and latitudes such as, one of the hill stations do not lie in the longitude in which the harbour which is also an industrial town lies and so on. Rampur and thirlothika lies on same longitude. Solapur and Maninagar lies on same latitude like that. And also, the population of the towns is involved from which the following four questions should be answered,

(4 combinations were given for each question)

a. Which of the following combination has less than 5 lakhs population?

Ans: Nalanda and Rampur

The town which is a harbour, industrial town and capital

Ans: Thirlothika

Which of the following combination have more than 50 lakhs population?

Ans: Thirlothika and solanpur

The town that is not a capital

Ans: Nalanda

3) A cow is standing 5 feet from the middle of the bridge. A train is coming towards the cow at speed of 90 miles per hour from the near end and the train is twice as long as the bridge. If the cow had tried to move forward in the same direction as of the train then the cow would have got hit by three feet. But it moved in opposite direction to the train and saved by one foot. Then what is the length of the bridge?

4) A said to B that "now you should have at least 30 clerks in your company" But B said that "if there are twice the number of the female clerks or thrice the number of the male clerks, the number will be 30". Find the total number of clerks?

Ans: 18 Clerks (12 + 6)

5) Ann, Carol, Eve are friends. Ann wearing blue if only eve wearing red. Ann and carol can wear red but not on the same day. Carol and eve can wear blue both not on the same day. Find Ann dress color?

Ans: Red

6) Four persons are there called, John, Jacob, Peter and Williams. Four languages are there named English, Italian, German and French.

Conditions,

There is no common language for all.

Except one language, no language is spoken by more than two.

One can know either German or French but not both.

John can't speak English but John can act as interpreter between Jacob and Peter.

Jacob knows German but he can talk with William who doesn't know a word of German.

No Common language between John, Peter and Williams

which two languages do each person speaks?

Here is the (100% Sure) Answer.

	English	Italian	German	French
John	X	Yes	X	Yes
Jacob	X	Yes	Yes	X
Peter	Yes	X	X	Yes
William	Yes	Yes	X	X

7) Here is the another easy question,

My watch is 2 minutes per hour slow and my husband watch is 1 minute per hour fast.

We went together to a marriage but late. We had a difference of 1 hour. Find the number of hours elapsed from the time we set the 2 clocks correctly till now.

Ans: 20 hours (100% Sure)

8) A Cube Of 15m In Length Is Cut Into Few Smaller Cubes In Such A way That The Cubes Are Equally 3m In Side, And The Cube Is Painted Green, Blue, Yellow On All The Pair Of Opposite Sides, Answer The Following Questions.

A) How many cubes are no side painted

B) How many cubes 1 side painted

C) How many cubes 2 sides painted

D) How many cubes 3 sides painted

E) How many cubes painted 3 sides with 3 different colors.

Approach can be like this.. What ever the cube is given take it into layers. Top layer, bottom layer and the middle layer(s). Since this cube is  $5 \times 5$  u have 3 middle layers. Draw down the cube immediately and use pencil, blue pen and black pen to isolate the 1 side painted, 2 sides painted, 3 sides painted. This is how u can approach. Cube problem always consumes time. So my suggestion is to have it as a last option.