

Infosys Placement Papers and Sample Papers Exam on 6 th Feb 2005

1) A frog falls down in a well 30 ft deep. Every day it jumps 3 ft up and every night it falls down by 2ft. How many days it takes to come out of the well.

Ans 28 days.

2). There is a 1 km long wire placed on some no. of poles which r in equal distance. If the no of poles is reduced by 1 then the distance of wire between each poles increases $\frac{12}{3}$.how many poles are there initially.

Ans: Let there r N poles before.

Then the distance between two adjacent poles is $=\frac{1000}{(N-1)}$

After removing one pole distance betn two adjacent poles is $=\frac{1000}{(N-2)}$

Now $\frac{1000}{(N-1)} + \frac{5}{3} = \frac{1000}{(N-2)}$

$(N-1) * (N-2) = 600$

Solve it ans is 26

3). For every one hour two trains will start at the same time, one from Bangalore to Madras another from Madras to Bangalore On parallel tracks. All trains travel with same speed and each train will take 5 hours to reach the other station. How many trains, one train will meet during the journey?

1 2.5 hrs

2 3.0 hrs

3 3.5 hrs

4 4.0 hrs

5 5.0 hrs

4). A jeweler is having a left and right window display cases and some gems like amethyst A, diamond D,E,S,R,G,O In each window he should display 3 ornaments.

1. A should be only on left side window in inclined position

2. D should be only on right side window in inclined position

3. S, E should be placed together only

4. R cannot be placed on the side of D or G.

4) questions were there like

1. What is the possible case on the left window, from the following?

ans A,R,O

2. What is the possible case on the right side window?

3. If X, Y pair occurs on left side window, what r the possibilities for right hand window

4. If P, Q pair occurs on right side window, what r the possibilities for left hand window

This was the pattern; they were so easy (8 marks)

5). A and B write a test. A says " i got a third of the ques. wrong"

B says "i got 5 wrong". Together they got three quarters of the questions correct.

How many did A get correct.

6). Clark, Jones, mason, smith is 4 ppl. There are 4 professions

Druggists, grocer, butcher, policeman. find out who is who (8 m)

1) Clark and Jones are neighbors and they drive each other to work.

2) Jones earns more than mason

3) The butcher walks to work

4) Clark always beats smith while bowling,

5) The police man earns more than the druggists and the grocer.

6) The policeman never met druggist.

7) Policeman met the grocer only once when he caught by the policeman for speeding.

(Means he was caught driving his vehicle crossing the speed limit)

8). Natives of one town always Lie. Visitors always tell truth. One day I went to the town, and I met one Sales Person and soon he became my friend. We went to one hotel to have lunch. I wanted to know whether the sales person is a visitor or native to that town without asking directly. I told him to go and ask a woman in the hotel ARE YOU A VISITOR? He went to her and asked her, and he came back and said She Said YES Now can u tell me whether the salesperson is visitor or Native?

Ans: Suppose take the below cases

N-NATIVE, V-VISITOR

Salesperson Woman

N N No

N V No

V N YES

V V YES

9) in how many ways you can arrange the numbers on the die .There is only condition that 1,6 and 2,5 and 3,4 will always be on the opposite sides.

Ans $(6C3) * 3! = 120$ (3 marks)