

Infosys paper conducted

on 8th August'04 at Christ College-Bangalore

(1) A bag contains three types of apples. How many apples should be picked from the bag so that at least three of them are of the same kind? [3]

Ans:7

(2) A conductor asks a boy his age, the boy's father was pleased with the interest shown by the conductor and replies:

The boy's mother is 5 times

the boy's age, I am twice as old as my wife. My mother whose age is the sum of all our ages is celebrating her 81st birthday today. What

is the boy's age? [3]

Ans:5 years

(3) Four people played cards, which had colors on both of their sides.

The colors on the two sides were

different and no two cards had the same color combination. When the cards were distributed to them, they kept their cards on the table with one side per card facing up, of course. Each cardholder knew the color of the hidden side of his card. They spoke up one by one as follows:

A: My card, showing Red above,
has either Green or Blue color beneath

B: My card, showing Green above,
has neither Green nor Blue color

beneath

C: My card, showing Yellow above,
has either Blue or Yellow color

beneath

D: My card, showing Blue above,
has either Blue or Yellow color beneath

However, later it was found that

exactly two of them were lying. Can you find who was lying and what were the colors on the hidden sides of each card? [8]

(4) (i) One member belongs to exactly two lodges,

(ii) One lodge is associated with exactly three members,

(iii) Combination of any two lodges has only one member in common b/w

them

How many lodges and members are there? [4]

Ans: 6 men 4 lodges

(5) Uncle Reuben and Aunt Cynthia came to town to shop Reuben bought a Suit and hat together for \$15.

Cynthia paid as much as for her hat as Reuben did for his suit then she spent the rest of her money for a new dress.

On the way home Cynthia called

Reuben's attention to the fact that his hat

cost \$1 more than her dress. Then
she added, "if we had divided our hat money
differently so that we bought two
different hats, mine costing 1 and 1/2 time
than yours, then we each would
have spent the same amount of money."
"In that case," said
uncle Reuben "how much would my hat have cost?" [6]
This question is repeated from January
and February 2004 Infosys tests.

Ans:A:)Rs 6.4

B)Rs 29

(6) Due to some defect in our elevator,
I was climbing down the staircase.
I'd climbed down just 7 steps
when I saw a man on the ground floor.
Continuing to walk down, I greeted
the man and I was surprised to see that
when I was yet to get down 4 steps
to reach the ground floor, the man had
already finished climbing the staircase.
He perhaps climbed up 2 steps for
every 1 of mine. How many steps
did the staircase have?

Ans:22 steps

(7) A man is preparing a decorative
showcase for his precious stones
Amethyst, Diamond, Sapphire, Ruby, Opal, Garnet, Emerald.

There are two shelves, one right
and the other left. A is put on the left side, while D is put on
the right side.

R cannot be put where D is put,
whereas S and E have to be put together always.

There were four questions asked
regarding the presence of stones, for example, (8)

- (i) Which of these stones can be
put in the left shelf?
- B) which of these combinations are
put in the right shelf
- C) if Sapphire is displayed in the
left shelf which of these occur in the right shelf?
- D) if Sapphire is displayed in the
right shelf which of these occur in the left shelf?

The question was very simple and
easy to do.

(8) A boy goes to school from his
house. On one fourth of his way to school, he crosses a
machinery station. And on one third
of his way to school, he crosses a Railway station.
He crossed the machinery station
at 7:30 and he crosses the Railway station at 7:35.
When does he leave the house &

when does he reach the school? [5]

Ans: the boy leaves at 7:15 and reaches school at 8:15

$x/3 - x/4 = x/12$

$x/12$ in 5 minutes

so $x/4$ takes 15 minutes

hence the boy left home 15 min before

7.30 = 7:15

and will reach school at 8:15.

(9) We were sitting in a merry-go-round.

One third of the people in front of me, added to three quarters of those behind me, gives the total number of people in the merry-go-round. How many people were there? [3]

Ans: 13 people in all

(10) In a society of 100 persons,

85 are married, 75 have cars, 65 have own house, 85 own phones etc. and so on. Such four conditions were given. It was asked to find the minimum number of people who are married

and who have all 3 things.

Ans 10. (Add the sum of all people who don't have different things and subtract from 100)

Interview pattern:

Held the next day at Electronic City Campus

1) Tell me about UR self which is not in this profile

2) Was there any situation where U had to take a decision which changed something in others life or in college

3) Hobbies, I had written a few amongst which was Reading, so I was asked on the types of books I read on what basis I select those books etc.

4) Tell me ur weakness.

5) Any questions U would like to ask.....

The interview was very calm, it was like talking to some stranger on a train/bus journey, only a bit formal

and that U can't get to know them.

They did not ask me to solve any puzzles, however they asked others

1) Is there any point on earth where U walk 1km north, east, south, west and reach back the same point

(Or something similar to that)

2) Magnet and iron bar which are similar are given U have to find which is magnet and which is iron without any external aid.