**Directions for the questions 1 to 4:** Six

people Ganesh, Ramesh, Umesh, Rajesh,

Sailesh and Mahesh belonging to Chennai,

Ahmadabad, Mumbai, Delhi, Bangalore and

Calcutta not necessarily in the same order

came to participate in a Technical

conference. They are divided

groups named ‘Newton’ and ‘Einstein’ of

three members each. We

following information

a. Ramesh is neither from Ahmadabad nor

selected in the Einstein group.

b. Sailesh is not selected in the Newton

group and the person from Bangalore is

selected in the same group as the person

from Delhi.

c. The persons from Ahmadabad and

Calcutta are selected in the Newton and

Einstein groups respectively.

d. The person from Chennai is not Mahesh

and is not selected in the same group as

Ramesh.

e. Ganesh is from Bangalore and Rajesh is

from Mumbai.

f. Umesh and Ganesh are selected in the

same group.

1.Who is from the city Kolkatta?

(1) Ganesh (2) Ramesh

(3) Mahesh (4) Rajesh

2. Sailesh is from which city?

(1) Chennai (2) Bangalore

(3) Ahmadabad (4) Mumbai

3. Who are the other two persons who belong

to the same group as the person from Delhi?

(1) Ganesh and Ramesh

(2) Ramesh and Umesh

(3) Ganesh and Umesh

(4) None of these

4.Which of the following is in the correct

order of Name – Group – city ?

(1)Ganesh – Bangalore – Newton

(2)Mahesh – Delhi – Einstein

(3)Rajesh – Newton - Ahmadabad

(4)Ganesh – Newton – Bangalore

**Directions for the questions 5 and 6:**

four young men Raj, Sunder, Tarun and Upal are married to Rekha, Sunitha, Tara and Uma and the couples live in Rampur, Sanchi, Tirupathi and Udhampur.

1. The first letter of names of men, their Wives and cities is not the same.
2. Sunitha is not Raj’s wife.
3. Sunder does not live in Rampur or Udhampur and is not Rekha’s husband.
4. Upal and Tara do not live in Sanchi.

5. Which pair gives below is the right combination of wife and city for Tarun

.(1).Sunitha Tirupathi (2) Tara, Sanchi

(3) Uma, Rampur (4) Rekha, Sanchi

6.Who among the following is the wife of Upal

(1). Rekha (2). Sunitha

(3) Tara (4). Uma

7. Which of the following is the correct pair of husband and wife .

(1). Upal, Sunitha (2). Raj. Tara

(3). Sunder, Uma (4). All of these

8. Kites of six colours Orange, yellow, White Green, Blue and Red are sold at a shop. The shop keeper had sold all the kites in his shop except these six kites of different colours Ram, Shyam and John want to buy two kites each. Green and Red kites are bought by one boy. John has a white kite where as the yellow and orange colour kites are not bought by the same boy. If Ram has neither yellow or blue kites then Ram’s kites are

(1). Green and Red

(2) Blue and Orange

(3) Orange and White

(4) Cannot be determined

**Directions for the questions 9 and 10** Among the three persons A, B and C one is a truth teller, one is a liar and the other is an alternator. A truth teller is person who always tells the truth. A liar is a person who always lies. An alternator is person who alternates between make a true statement and a false statement. Each of them made the following statements in reply to the question asked about them

A. I am not the liar. C is the liar

B. I am the liar. A is the truth teller

C. I am the alternator. B is the liar

9. Who is the liar?

(1) A (2) B (3).C (4). Cannot be determined

10. Who is truth teller

(1) A (2) B (3).C (4). Cannot be determined

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| **Directions for the questions 11 to 15**  A group of seven friends A,B,C,D,E,F and G work as economist, agriculture officer,IT officer, terminal operator ,clerk, forex officer and research analyst , for banks L, M, N, P, Q, R and S but not necessarily in the same order. C works for bank N and is neither a research analyst or clerk, E is an IT officer and work for bank R. A work as a forex officer and does not work for bank L or Q. The one who is an agriculture officer works for bank M. The one who is work for bank L works as a terminal operator. F works for and Q. G works for bank P as research analyst. D is not an agriculture officer.  11. who among the following works as an agriculture officer .  (1) C (2) B (3) F (4) D  12. for which bank does D work  (1) Q (2) L (3) N (4) S  13. What is the profession of C  (1) Terminal Operators  (2) Agriculture officer  (3) Economist  (4) cannot be determined  14. Who among the following works as a clerks  (1). C (2) B (3). F (4). D  15. for which bank does B work  (1). M (2) S (3) L (4) Either M or S  **Directions for the questions16 to 17**  A combination of three colours is being chosen to decorate room. The colour must be chosen froma group of seven colours – A,B,C,D,E,F and G according to the following conditions.   1. I. if A or B is chosen, the other must also be chosen . 2. II.C and D cannot be chosen together. 3. III. Either C or A or both must be chosen. 4. 16. Which of the following combination of colour confirm to the condition. 5. (1). A,C,D (2) A,E,F (3) B,C,G (4) C,E,G 6. 17. If D is chosen which of the following pair of colour must also be chosen. 7. (1). A and B (2) A and G (3) B and C (4) C and E   **18. Statement:** All heros are Zeros All Zeros are villains Some heroes are jokers **Conclusion:** I ) Some Jokers are heroes II) Some Zeros are jokers III) Some villains are Zeros |
| (1)All I ,II, III follows (2)Only I, II follow  (3) Only II, III follow (3)  Only I,III follows  **19. Statement :** I) All houses are windows. II) All roads are windows III) All toys are windows **Conclusions** I) Some toys are houses II) Some roads are houses III) Some roads are toys  (1)All I ,II, III follows (2)Only I, II follow  (3) Only II, III follow (3) None follow  **Directions for the questions 20 to 24:**  A cube is coloured orange on one face, pink on the opposite face , brown on one face and the silver on a face adjacent to the brown face. the other two faces are left uncoloured. it is then cut into 125 smaller cubes of equal size.  20.How many cubes have at least one face coloured pink  (1)1 (2) 9 (3) 16 (4) 25  21.How many cubes have all the faces uncoloured.  (1) 24 (2) 36 (3) 48 (4) 64  22.how many cubes have at least two faces coloured  (1) 19 (2) 20 (3) 21 (4) 23  23.How many cubes are coloured orange on one face and have the remaining faces uncloured  (1) 19 (2) 12 (3) 14 (4) 16  24.How many cubes have three faces coloured  (1) 8 (2) 4 (3) 2 (4) 1 |
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