Assignment 1

Set 1

A, B, C, D, E, F, G and H are sitting in a row facing north. The following is also known about their seating arrangement:

I. A is fourth to the right of E.

II. H is fourth to the left of D.

III. C and F, which are not at the ends, are neighbours of B and E respectively.

IV. H is next to the left of A and A is the neighbour of B.

1. Who are sitting at the extremes?

(1) E & F

(2) A & D

(3) E & D

(4) (3) or (2)

2. Who is 2nd to the left of the A?

(1) F

(2) G

(3) C

(4) D

3. How many people are sitting between F and B?

(1) 0

(2) 1

(3) 2

(4) 3

4. Who are the two who are sitting in the middle?

(1) C & F

(2) G & A

(3) H & B

(4) H & A

Set 2

A building having 6 floors houses only one house per floor. There are only 5 families residing in the building, one family to each floor. The floors are numbered 1 to 6 from bottommost floor to uppermost floor.

Mr & Mrs. Agarwal live two floors below Mr. and Mrs. Chaterjee. And Mr. and Mrs. Bhandari and Mr & Mrs. Deodhar are in neighbouring floors.

5. If the Agarwals live on floor 1, which of the following is true?

(1) The Bhandaris stay on floor 2

(2) The Bhandaris stay on floor 5

(3) The house on floor 2 is vacant

(4) None of these

6. If Mr. & Mrs. Ahluwalia stay on floor 3 and the Bhandaris were on a floor higher than the Ahluwalias, which floor must be vacant

(1) Floor 1

(2) Floor 2

(3) Floor 4

(4) Floor 5

7. If the Bhandaris were on floor 1, on which floor could the Agarwals be?

(1) 2 or 4

(2) 3 or 5

(3) 3 or 4

(4) 4 or 5

8. If there were two floors between the Agarwals and Bhandaris, and the Agarwals were on a higher floor than the Deodhars, then the Agarwals must be staying on:

(1) Floor 2

(2) Floor 3

(3) Floor 4

(4) Floor 5

9. Which of the following is false:

I. Both the Bandaris and Deodhars can be on odd-numbered floor in the same configuration

II. In any configuration, both the Agarwals and the Chaterjees must either be on an odd numbered floor or both on an even-numbered floor.

III. The fifth family (other than the families mentioned in the clues) can be on a floor adjacent to the vacant floor.

(1) I only

(2) II only

(3) II only

(4) Both I and III

Set 3

Each of Arun, Bharat, Chandu and Dharma has one outdoor interest and one hobby concerned with fine arts. Two play Hockey and two play Cricket, two are painter, one is a singer and one is a dancer.

Arun is not a painter nor does he play Hockey.

Bharat does not dance.

The dancer plays Hockey.

Bharat and Dharma do not play Cricket.

10. Who among the following plays Cricket and is a painter?

(1) Arun

(2) Bharat

(3) Chandu

(4) Arun & Chandu

11. Who among the following is a singer?

(1) Dharma

(2) Arun

(3) Chandu

(4) Bharat

12. Which pair shows the correct relationship of the game and hobby of Dharma?

(1) Hockey, Singing

(2) Cricket, Dancing

(3) Cricket, Painting

(4) Hockey, Dancing

13. Which of the following statement is true about the four friends?

(1) Two friends share the same outdoor and fine art interest.

(2) Those who paint have the same outdoor interest.

(3) Those who play Hockey have the same interest in fine arts.

(4) None of above.

Set 4

On Sunday, on the COLORS channel, there are 5 programs that come in succession one after the other. The programs, in no particular order are a travel show, a news show, a cookery program, a game show and a reality show. Further the sponsors of the programs, again in no particular order are Hutch, Tata Docomo, Reliance, Idea and Airtel, each of them sponsoring exactly one program.

I. The news program is broadcasted before the cookery program.

II. The reality show is broadcasted before the travel show.

III. The program sponsored by Reliance is broadcasted earlier than the program sponsored by Hutch.

IV. Tata Docomo sponsors the third program in the sequence of the five programs.

V. The cookery show is sponsored by Idea.

14. Which of the following could be the list of the sponsors in correct order starting from the 1st program to the 5th program in order of they being broadcasted?

(1) Reliance, Idea, Tata Docomo, Airtel, Hutch

(2) Airtel, Tata Docomo, Reliance, Hutch

(3) Airtel, Idea, Tata Docomo, Hutch, Reliance

(4) Tata Docomo, Hutch, Reliance, Idea, Airtel

15. Any of the programs could be the 3rd program to be broadcasted except the _____ show.

(1) travel

(2) news

(3) cookery

(4) game

16. If the travel show is broadcaster earlier than the program sponsored by Tata Docomo, which of the following must be true?

(1) The news show is the second program to be broadcasted

(2) The last program to be broadcasted is the cookery show

(3) The game show is the third program to be broadcasted

(4) The first program to be broadcasted is the reality show

17. If the travel show is sponsored by Airtel, the first program to be broadcasted must be sponsored by :

(1) Airtel

(2) Tata Docomo

(3) Idea

(4) Reliance

18. If the news program is sponsored by Airtel and is the fourth program to be broadcasted, which of the following must be true?

(1) The travel show is the 2nd to be broadcasted.

(2) The game show is the 3rd to be broadcasted.

(3) The reality show is the 1st to be broadcasted.

(4) The show sponsored by Reliance boat is the 1st to be broadcasted.

19. If the reality show is the 2nd to be broadcasted and the program sponsored by Airtel is the last program to be advertised, the reality show must be sponsored by:

(1) Tata Docomo

(2) Idea

(3) Reliance

(4) Hutch

Set 5

In a family of exactly six persons M, N,O, P, Q and R, there are two married couples and the following relations exists among the six people. There is no other member in the family other than the above.

P is the grandmother of M and mother of N.

R is the granddaughter of Q.

O is the wife of N and mother of R.

20. How is O related to M?

(1) Daughter

(2) Grandmother

(3) Mother

(4) Cannot be determined

21. How many male members are there in the family?

(1) Two

(2) Three

(3) Four

(4) Cannot be determined

22. Which of the following is true?

(1) M is brother of R

(2) M is sister of R

(3) P has two grandsons

(4) None of these

23. Who among the following is one of the couples?

(1) OP

(2) PQ

(3) QN

(4) Cannot be determined