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## Assignment 5

### Set 1

Read the following information carefully and answer the questions given below it:

*A, B, C, D, E, F, G* are playing cards sitting across a circular table and facing inwards.

- i. *F* is second to the right of *G*.
- ii. *B* is neighbour of *F* but not of *E*.
- iii. *E* the neighbour of *C*, is fourth to the right of *G*.
- iv. *D* is immediately between *E* and *A*.

1. Who is fourth to the left of *G*?

- (1) *D*
- (2) *E*
- (3) *C*
- (4) Cannot be determined

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2. Who is to the left of G?

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



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3. Who are neighbours of  $F$ ?

- (1)  $E$  and  $C$
- (2)  $F$  and  $B$
- (3)  $A$  and  $B$
- (4)  $C$  and  $B$

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4. If the turn moves anticlockwise, who would play after B?

- (1) *G*
- (2) *F*
- (3) *D*
- (4) *G* and *F*

**Set 2**

Six families Sharma, Dubey, Joshi, Verma, Agarwal and Mishra plan to go to six different hill stations- Mahabaleshwar, Kullu, Mussorie, Kodaikanal, Simla and Nainital, one family to each hill station. They wish to go in 6 different months- Jan, Feb, Mar, Apr, May and June, one in each month. Two of them travel by bus, two by rail, and one each by car and flight. Following information is given.

- i. Mr. Agarwal goes to Mahabaleshwar but not by flight or bus.
- ii. Mr. Sharma travels by bus but does not travel in Feb or May.
- iii. Neither Mishra nor Dubey family go to Shimla or Mussorie.
- iv. Kodaikanal was visited in April.
- v. Families going to Kullu and Shimla go by bus and rail respectively.
- vi. Mr. Joshi goes to Nainital in Mar by air and Mishra does not travel in April.

**5. Who of the following visit Shimla?**

- (1) Dubey
- (2) Sharma
- (3) Mishra
- (4) Verma

6. Kodaikanal was visited by

- (1) Sharma
- (2) Mishra
- (3) Dubey
- (4) Verma



7. Mr. Verma visited

- (1) Shimla
- (2) Mussorie
- (3) Mahabaleshwar
- (4) Kodaikanal

8. If Mr. Agarwal traveled in June, Mr. Sharma must have traveled in

- (1) January
- (2) April
- (3) May
- (4) February





**9.** Mr. Sharma visited

- (1) Nainital
- (2) Mussorie
- (3) Kullu
- (4) Mahabaleshwar

**Set 3**

Five people A, B, C, D, E are related to each other.

Four of them make one true statement each as follows.

Statement 1: B is my father's brother.

Statement 2: E is my mother-in-law.

Statement 3: C is my son-in-law's brother

Statement 4: A is my brother's wife.

**10.** Who made statement 1?

- (1) A
- (2) B
- (3) C
- (4) D



**11.** Who made statement 2?

- (1) B
- (2) C
- (3) D
- (4) E

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**12.** Who made statement 3?

- (1) A
- (2) C
- (3) D
- (4) E



**13.** Who made statement 4?

- (1) A
- (2) B
- (3) C
- (4) E

**14.** Who did not make any statement?

- (1) A
- (2) B
- (3) D
- (4) E

**Set 4**

The office staff of XYZ corporation presently consists of three book-keepers A, B, C and 5 secretaries D, E, F, G H. The management is planning to open a new office in another city using 2 book-keepers and 3 secretaries of the present staff. To do so they plan to separate certain individuals who don't function well together. The following guidelines were established to set up the new office.

- i. Book-keepers A and C are constantly finding fault with one another and should not be sent together to the new office as a team
- ii. C and E function well alone but not as a team, they HAVE to be separated
- iii. D and G have not been on speaking terms and should not be sent to the new place together.
- iv. Since D and F have been competing for a promotion, both of them should not be sent together.

**15.** If A is to be moved as one of the book-keepers, which of the following cannot be a possible working unit.

- (1) A, B, D, E, H
- (2) A, B, D, G, H
- (3) A, B, E, F, H
- (4) A, B, E, G, H

16. If C and F are moved to the new office, how many combinations are possible

- (1) 1
- (2) 2
- (3) 3
- (4) 4





**17.** If C is sent to the new office, which member of the staff cannot go with C

- (1) B
- (2) D
- (3) F
- (4) G

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**18.** Under the guidelines developed, which of the following must go to the new office

- (1) B
- (2) D
- (3) E
- (4) G



**19.** If D goes to the new office, which of the following is/are true?

i. C cannot go      ii. A cannot go      iii. H must also go

(1) I only

(2) II only

(3) I and II only

(4) I and III only

**Set 5**

A group of three or four has to be selected from seven persons. Among the seven are two women: Fiza and Kavita, and five men: Ram, Shyam, David, Peter and Rahim.

- i. Ram would not like to be in the group if Shyam is also selected.
- ii. Shyam and Rahim want to be selected together in the group.
- ii. Kavita would like to be in the group only if David is also there.
- iii. David, if selected, would not like Peter in the group.
- iv. Ram would like to be in the group only if Peter is also there.
- v. David insists that Fiza be selected in case he is there in the group.

**20.** Which of the following is a feasible group of three?

- (1) David, Ram, Rahim
- (2) Peter, Shyam, Rahim
- (3) Kavita, David, Shyam
- (4) Fiza, David, Ram



**21.** Which of the following is a feasible group of four?

- (1) Ram, Peter, Fiza, Rahim
- (2) Shyam, Rahim, Kavita. David
- (3) Shyam, Rahim, Fiza, David
- (4) Fiza, David, Ram, Peter

**22.** Which of the following statements is true?

- (1) Kavita and Ram can be part of a group of four
- (2) A group of four can have two women
- (3) A group of four can have all four men
- (4) None of these