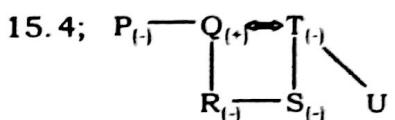
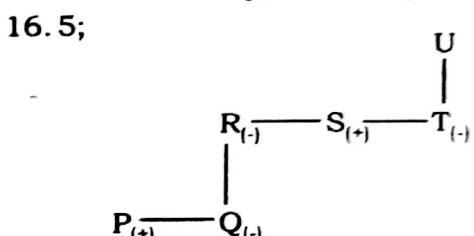


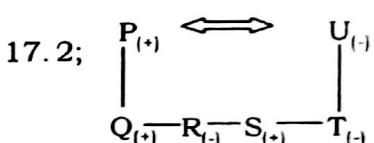
Obviously, P is the maternal uncle of U.



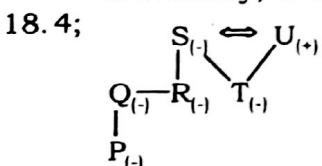
Obviously, P is the paternal aunt of U.



Here, the gender of U is not known. Hence, we need some more information to decide whether U is maternal grandfather or maternal grandmother of P.



Obviously, U is the wife of P.



Obviously, U is the maternal grandfather of P.

19.5; We have to see that P is the brother of U. Therefore, P must be a male. Also, the gender gap between P and U must be zero. Look at the expression (1). In this expression P is represented as a female. Note that  $Q \# R$  means P is the daughter of Q. Therefore, reject the expression (1). Similarly, in expression (4) P is represented as a female. Note that  $Q \div R$  means P is the sister of Q. Therefore, reject the expression (4).

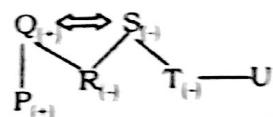
Now look at the generation gap between P and U in the expressions (2) and (3).

$$(2) U^0 \times T^0 \times S^+ + R^+ + Q^0 \times P^0 \\ (0 + 0 + 1 + 1 + 0 = 2)$$

$$(3) U^0 \div T^- \times S^+ + R^+ + Q^0 \times P^0 \\ (0 + 1 + 1 + 1 + 0 = 3)$$

The generation gaps between P and U in these expressions are not zero. Therefore, reject the expressions (2) and (3).

Now, by elimination, the expression (5) is our answer. Now, look at the family tree for expression (5).



Obviously, P is the brother of U.

20.1; If P is the mother-in-law of U, then P must be represented as a female in the answer expression. Also, P's position must be one generation above than U.

Reject the expressions (2) and (5), because in these two expressions P is represented as a male.

Now, look at the generation gaps between P and U in the expressions (3) and (4).

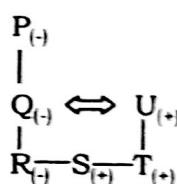
$$(3) P \# Q \times R \div S - T - U \\ (-1 + 0 + 0 + 1 + 1 = 1)$$

$$(4) P \# Q \div R \div S - T + U \\ (-1 + 0 + 0 + 1 + 1 = 1)$$

In these two expressions P's position is one generation below than U. Therefore, reject the expressions (3) and (4).

Now, by elimination, the expression (1) is our answer.

Now, look at the family tree for expression (1).



Obviously, P is the mother-in-law of U.

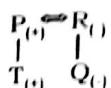
### 21 - 25:

21.5;  $Q_{(+)} - R_{(-)}$

Obviously, T is the cousin of P.

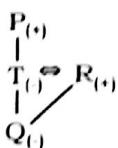
22.4; Reject the expressions (1), (2) and (3) because in all the three expressions R is represented a male.

Now, make a family tree for the expression (4)



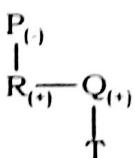
Obviously, R is the wife of P.

23. 3;



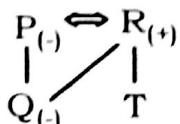
Obviously, R is the son-in-law of P.

24. 1;



Obviously, P is the paternal grandmother of T.

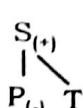
25. 5;



Here, the gender of T is not known. T is either brother or sister of Q.

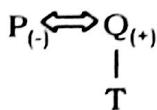
26 - 30:

26. 1;



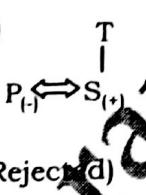
Obviously, P is the sister of T.

27. 4;



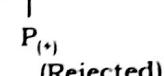
We have no information regarding the gender of T. Hence, T is either son or daughter of P.

28. 3; (1)



(Rejected)

(2)  $S_{(-)} \leftrightarrow T_{(+)}$

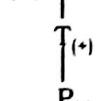


(Rejected)



(Selected)

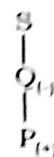
(4)



(Rejected)

29. 3; Reject the expressions (1) and (4) because in these expressions P is represented as a female. Now, reject the expression (2) because in this expression the generation gap between

P and S is -1. Note that if P is the grandson of S then the position of P must be two generations lower than S. It means the generation gap between P and S must be -2. Now, check the expression (3)



Obviously, P is the maternal grandson of S.

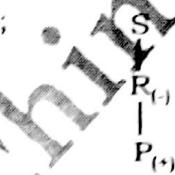
30. 2;



Obviously, T is the father of P.

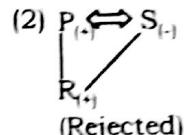
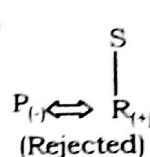
31 - 35:

31. 3;

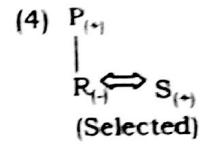
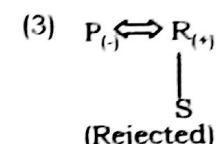


Obviously, P is the maternal grandson of S.

32. 4; (1)

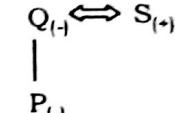


(Rejected)



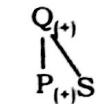
In expression (4), S is the son-in-law of P. If you check generation gap between P and S in each equation, you can easily reject the expressions (1), (2) and (3).

33. 2;



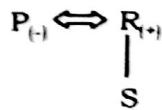
Obviously, S is the father of P.

34. 1;



Obviously, P is the brother of S.

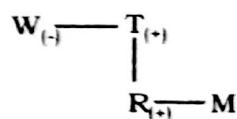
35. 5;



Here, the gender of S is not known. S is either son or daughter of P.

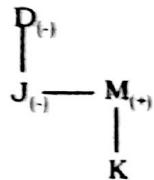
36 - 40:

36. 2;



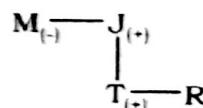
Obviously, W is the paternal aunt of M.

37. 4;



Gender of K is not known. Here, K is either grandson or granddaughter of D.

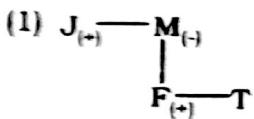
38. 3;



Obviously, R is either nephew or niece of M.

39. 5;

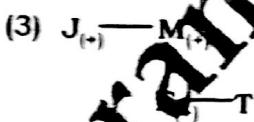
Look at the given expressions carefully. In all the expressions the gender of T is not known. Hence, no expression can fulfill our objective. Therefore, reject all expressions. You can also use family tree method.



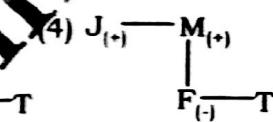
(Rejected)



(Rejected)



(Rejected)



(Rejected)

In all the given expressions, T is either nephew or niece of J.

40. 1; We have to look for the expression in which B is represented as a male and the position of B must be one generation above H.

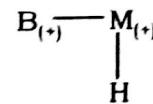
Reject the expressions (2) and (4), because in these expressions B is represented as a female.

Reject the expression (3) because the

generation gap between B and H is zero.

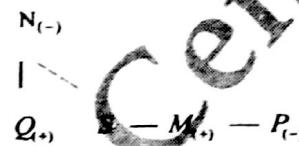
$$\begin{array}{c} 0 \quad 0 \\ B \times M + H \\ (0 + 0 = 0) \end{array}$$

Now, checked expression (1)



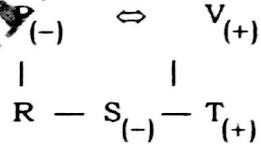
Obviously, B is the paternal uncle of H.

41. 4;



Since, the gender of S is not known, (1), (2) and (3) are not necessarily true. (4) is true.

42. 1;

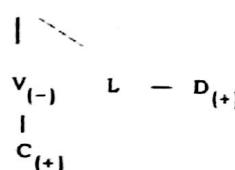


Since, the gender of R is not known, (2) and (3) are not necessarily true. Reject (4) because 'V' is a male.

43. 3;

Make family trees of the given expressions:

(1)  $N_{(-)}$



Here, C is the nephew of D. (Rejected) (2)

$L_{(-)}$



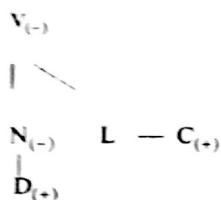
Here, C is the nephew of D. (Rejected) (3)

$N_{(-)}$



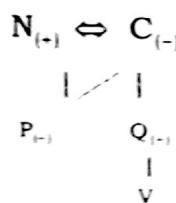
Here, C is the nephew of D. (Rejected) (3)

Here, C is the paternal uncle of D.  
(Answer)(4)



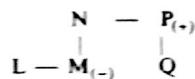
Here, C is the maternal uncle of D. (Rejected)

44. 2; Reject (1) and (4) because in these expressions Q has been represented as a male. Reject (3) because the gender of Q is not known. Now, check option (2).



Here, Q is the daughter of N.

45. 5;



Reject (1) because Q is the cousin of M.  
Reject (2) because L is the child of N.  
Reject (3) because the gender of N is not known. Reject (4) because the gender of Q is not known.

46. 1; (1)  $L_{(+)} - M_{(-)} - O$

Hence, O is either brother or sister of L.  
Thus, (1) is not necessarily true.

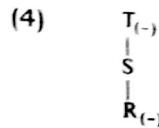
- (2)  $M_{(-)} - Q_{(+)} - P_{(+)}$

Hence, Q and O are husband and wife, respectively.

Thus, (2) is correct.

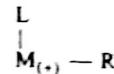
- (3)  $R_{(-)} - Q_{(+)} - P$

Hence, R is the grandmother of P.  
Thus (3) is correct.



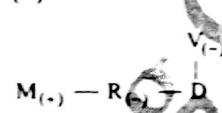
Hence, R is either maternal granddaughter or paternal granddaughter of T.  
Thus, (4) is correct.

47. 2; (1)



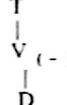
Hence, R is either son or daughter of L.  
Thus, (1) is incorrect.

(2)



Hence, M is the son of V.  
Thus, (2) is correct.

(3)



Hence, D is either granddaughter or grandson of T.  
Thus, (3) is not necessarily true.

- (4)  $T_{(-)} - P$   
|  
 $V_{(-)}$

Hence, P is either maternal uncle or maternal aunt of V.

Thus, (4) is not necessarily true.

48. 3; (1)  $B_{(+)} - N_{(+)} - A - M_{(-)}$

Here, the gender of 'A' is not known. In this equation 'A' is represented as either grandson or granddaughter of 'B'.

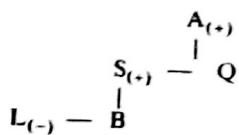
Hence, reject (1).

- (2)  $A - Q_{(-)} - B_{(+)} - L_{(-)}$

Here, the gender of A is not known. From the above family tree it is obvious that A is either maternal grandfather or maternal grandmother of B.

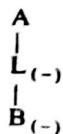
Hence, reject (2).

(3)



Here, A is the paternal grandfather of B. Thus (3) is our answer.

(4)

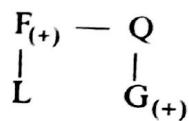


Here, the gender of A is not known. Hence, A is either maternal grandfather or maternal grandmother of B.

Therefore, reject (4).

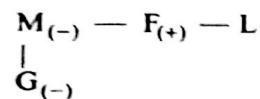
49. 4;

(1)



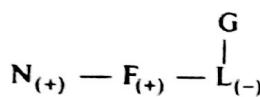
Since the gender of Q is not known, hence we can't say with certainty that F is the paternal uncle of G. If Q is a female then F is the maternal uncle of G. Thus, reject (1).

(2)



Here, F is the maternal uncle of G. Thus, reject (2).

(3)



Here, F is the son of G. Hence, reject (3).

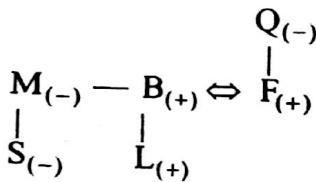
(4)



Here, F is the paternal uncle of G. Hence, (4) is our answer.

50. 4;

Here, we have



(1) True

(2) False

(3) False

(4) False

## SITTING ARRANGEMENT

In this chapter we will deal with the questions originating on the sitting arrangement problems. We can sit in a line, in parallel lines or in a circular manner.

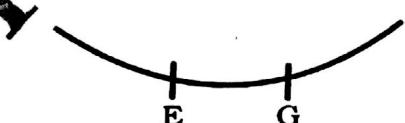
**Directions (1 - 5): Study the following information carefully and answer the questions:**

A, B, C, D, E, F, G and H are sitting around a circle, facing the centre. E and G always sit next to each other. D sits third to the right of C. F sits second to the left of H. C never sits next to A while D never sits next to G. H is not the neighbour of D and C.

1. Who sits between A and D?
  - (1) B
  - (2) F
  - (3) C
  - (4) E
  - (5) None of these
2. Who sits second to the left of B?
  - (1) F
  - (2) G
  - (3) A
  - (4) E
  - (5) None of these
3. Who sits to immediate right of F?
  - (1) D
  - (2) C
  - (3) B
  - (4) A
  - (5) None of these
4. Which of the following pairs sits between B and F?
  - (1) HB
  - (2) FD
  - (3) CG
  - (4) GC
  - (5) AH
5. Four of the following are alike in a certain way based on their positions in the seating arrangement and so form a group. Which is the one that does not belong to that group?
  - (1) CH
  - (2) BA
  - (3) FE
  - (4) DG
  - (5) AC

**Sol.** Note down all the given arrangements

a:  
 (i) EG or GE



(ii) C\_D (2 places vacant between C and D).

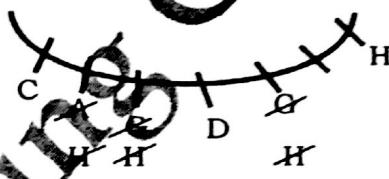


(iii) F\_H (1 place vacant between F and H).

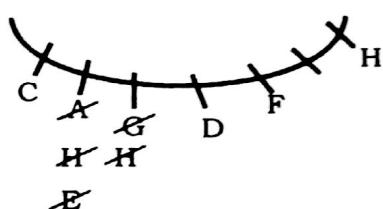


(iv) C\_A (both can't be together)

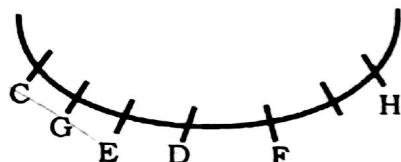
Now, mark the position which will never be possible



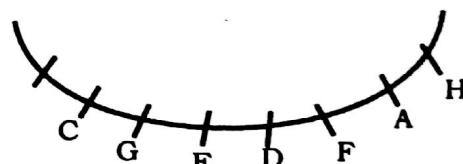
Now, mark F second left from H.



G and E are always together which is possible only between C and D



A cannot be near C. So, it has to be between F and H.

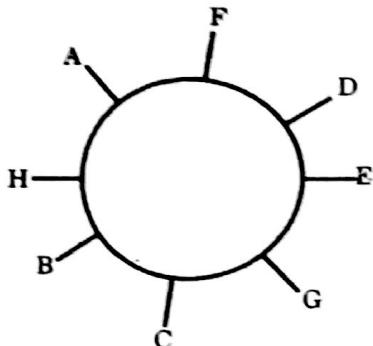


(v) G\_D (both can't be together)

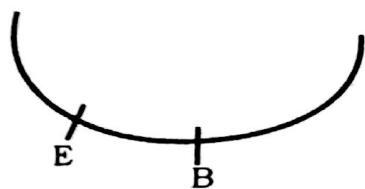
(vi) HD or DH (can never be together)

HC or CH (can never be together)

The remaining character is B. It has to be near C.



(ii) E B



**(iii) Combining (i) & (ii)**

**Ans. 1. (2), 2. (3), 3. (4), 4. (5), 5. (5)**

**Directions (6 - 8):** Read of the following information carefully to answer these questions:

- (i) A, B, C, D and E are sitting along a circle facing the centre.

(ii) C is neighbour of A and B.

(iii) E is to the immediate left of B.

6. Which of the following is a false statement?

  - E is to the immediate right of D
  - D is second to the right of C
  - A is third to the right of E
  - A is between C and D
  - None of these

7. What is the position of D?

  - To the immediate right of E
  - Third to the right of B
  - To the immediate left of A
  - Second to the left of C
  - None of these

8. Which of the following is true statement?

  - A is second to the left of B
  - B is second to the left of D
  - D is between A and E
  - C is third to the right of E
  - None of these

(iv) Put D in a suitable position

Ans. 6. (5), 7. (2), 8. (3)

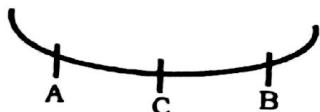
**Directions (9 - 13): These questions are based on the basis of following information. Read it carefully and answer the question.**

Eight executives J, K, L, M, N, O and P are sitting around a circular table for a meeting. J is second to the right of K. L is third to the right of K. M is second to the left of O who sits between P and Q. R is not a neighbour of K or N.

9. Who is to the immediate left of L?

**Sol.** Read the statement carefully and note down the important relations

- (i) A C B or B C A



**Ans. 6. (5), 7. (2), 8. (3)**

**Directions (9 - 13):** These questions are based on the basis of following information. Study it carefully and answer the questions.

Eight executives J, K, L, M, N, O, P, & Q are sitting around a circular table for a meeting. J is second to the right of P who is third to the right of K. M is second to the left of O who sits between P & J, L is not a neighbour of K or N.

9. Who is to the immediate left of L?  
(1) Q                    (2) O                    (3) K  
(4) N                    (5) None of these

10. Who is to the immediate left of K?  
(1) N                    (2) J                    (3) Q  
(4) Cannot be determined  
(5) None of these

11. Which of the following is the correct position of N?

- (1) Second to the right of K
- (2) Immediate left of K
- (3) Immediate right of M
- (4) Immediate right of K
- (5) None of these

12. Who is third to the right of P?

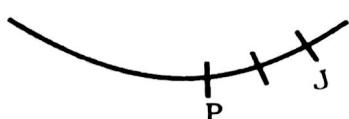
- (1) L
- (2) J
- (3) Q
- (4) N
- (5) None of these

13. Which of the following groups of persons have the first person sitting between the other two?

- (1) PJO
- (2) OPJ
- (3) OPM
- (4) MPO
- (5) None of these

**Sol.** Note down all the given arrangements as:-

(i) P - J



(ii) K - - P



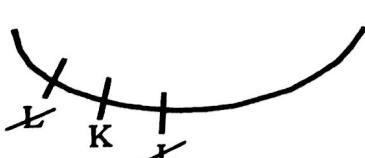
(iii) M - O



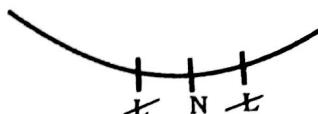
(iv) P O J



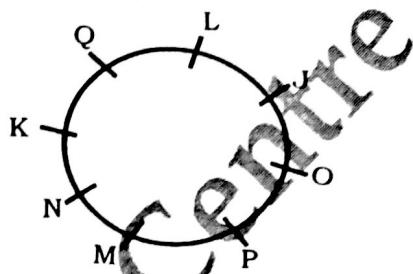
(v) X K or K X



(vi) X N or N X



(vii)



**Ans.** 9. (5), 10. (3), 11. (4), 12. (1), 13. (2)

**Directions (14 - 19):** Study the following information and answer the questions given below:

M, N, P, R, T, W, F and H are sitting around a circle at the centre, P is third to the left of M and second to the right of T. N is second to the right of P. R is second to the right of W who is second to the right of M. F is not an immediate neighbour of P.

Who is to the immediate right of P?

- (1) H
- (2) F
- (3) R
- (4) Data inadequate
- (5) None of these

15. Who is to the immediate right of H?

- (1) R
- (2) F
- (3) M
- (4) Data inadequate
- (5) None of these

16. Who is to the immediate left of ?

- (1) P
- (2) H
- (3) W
- (4) T
- (5) Data inadequate

17. Who is third to the right of H?

- (1) T
- (2) W
- (3) R
- (4) F
- (5) Data inadequate

18. Who is second to the right of F?

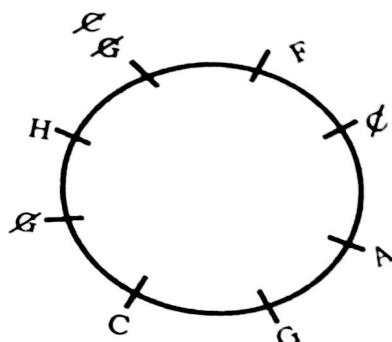
- (1) M
- (2) R
- (3) T
- (4) Data inadequate
- (5) None of these

19. In which of the following is the first person sitting in between the second and the third person?

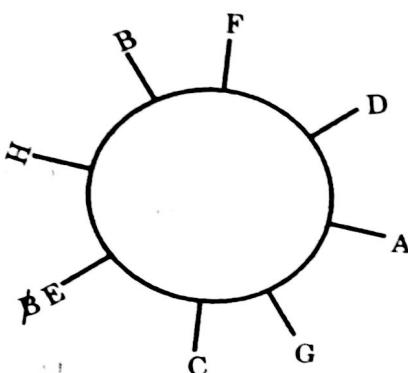
- (1) NHM
- (2) PHN
- (3) TRP
- (4) TWF
- (5) None of these



(v)



- (vi) Only two places are left. Which will only be occupied by remaining members B and E. B cannot be near C hence E will be near C.



**Ans. 20. (3), 21. (4), 22. (5), 23. (2), 24. (2), 25. (1)**

**Directions (26 - 30): Study the following information carefully and answer the question given below:**

M, D, P, K, R, T and W are sitting around a circle facing the centre. D is second to the right of P who is third to the right of K. T is third to the right of W who is not an immediate neighbour of D. M is third to the left of R.

26. Who is second to the right of T?  
 (1) D      (2) K      (3) M  
 (4) Data inadequate  
 (5) None of these
27. In which of the following pairs is the second person sitting to the immediate right of the first person?  
 (1) DT      (2) TP      (3) PR  
 (4) KW      (5) None of these
28. Who is to the immediate left of R?  
 (1) W      (2) P      (3) K  
 (4) T      (5) None of these

29. Who is to the immediate left of M?  
 (1) K      (2) W      (3) D  
 (4) T      (5) None of these
30. Who is third to the left of D?  
 (1) W      (2) P      (3) K  
 (4) Data inadequate  
 (5) None of these

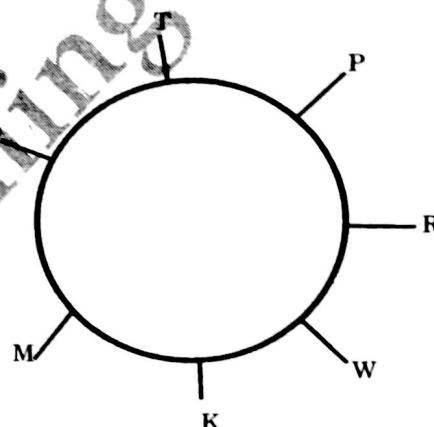
**Sol. Step 1**

Given statements

- (i) P - D      (ii) K - P  
 (iii) W - T      (iv) WD × or DW ×  
 (v) M - R

**Step 2 Now start with the second Statement**

**Step 3 Plot the combinations**



**Ans. 26. (3), 27. (4), 28. (1), 29. (3), 30. (5)**

**Directions (31 - 35): Study the following information carefully and answer the questions given below:**

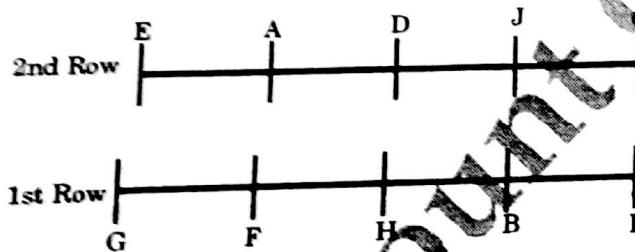
Ten persons A, B, C, D, E, F, G, H, I and J, are sitting in two rows with five persons in each row in such a way that one person in the first row sits exactly opposite and facing a person in the second row. Members of the first row are facing North. B sits in the first row to the immediate right of H who sits exactly opposite of D. C is at the extreme end of second row and is second to the left of D. A is to the immediate right of D and exactly opposite to F. G sits exactly opposite to E who is at one of the ends of the second row. J does not sit at the end.

31. Who is second to the left of B?  
 (1) I      (2) G      (3) H  
 (4) F      (5) None of these

32. Which of the following pairs of persons are sitting at the two ends of the first row?  
 (1) GJ      (2) EI      (3) GI  
 (4) EJ      (5) None of these
33. Who sits exactly opposite to B?  
 (1) J      (2) I      (3) G  
 (4) A      (5) None of these
34. Who is third to the left of E?  
 (1) D      (2) I      (3) H  
 (4) C      (5) None of these
35. A sits between which of the following persons?  
 (1) DJ      (2) ED      (3) FB  
 (4) BI      (5) None of these
- Sol.** **Step 1** Note the given statements  
 (i) First Row is facing North.  
 (ii) In first row HB and  $H \leftrightarrow D$  (Opposite)  
 (iii) C is at extreme of second row and  $C - D$   
 (iv) DA and  $A \leftrightarrow F$  (opposite)  
 (v)  $G \leftrightarrow E$  (opposite) and E is at one end of second row.  
 (vi) J does not sit at the end.

**Step 2** Start with any Row.

**Step 3** Plot the arrangements



**Ans.** 31. (4), 32. (3), 33. (1), 34. (5), 35. (2)

**Directions (36 - 40):** These questions are based on the following information. Study it carefully and answer the questions.

Ten members A, B, C, D, E, F, G, H, I & J are split into two teams X & Y of 5 members each. Members in the two teams are made to sit in two rows facing each other in such a way that one member of team X is sitting exactly opposite of a member in team Y. Members of team X are facing North. D is third to the right of A and sits exactly opposite of G. B sits to the immediate right of G and is facing South. H is third to the right of B and is exactly opposite of I. C sits between A & E and is opposite of I.

36. Who is second to the left of C?  
 (1) F      (2) A      (3) B  
 (4) D      (5) None of these
37. Which of the following group of persons sit in the same row?  
 (1) HIE      (2) ACB      (3) CDI  
 (4) HIG      (5) None of these
38. Who is to the immediate right of B?  
 (1) C      (2) E      (3) I  
 (4) A      (5) None of these
39. Who is to the immediate left of J?  
 (1) I      (2) C      (3) E  
 (4) B      (5) None of these
40. Who sits exactly opposite of J?  
 (1) H      (2) A      (3) F  
 (4) C      (5) None of these

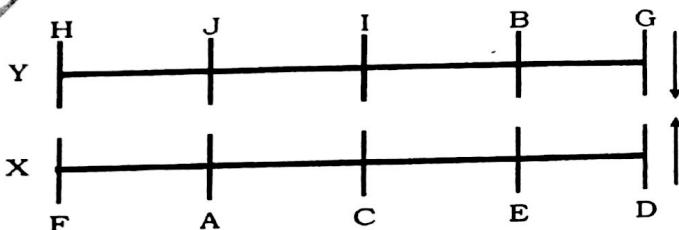
**Sol.** **Step 1**

Write the given Statements

- (i) A - D or D - A and  $D \leftrightarrow G$  (opposite)
- (ii) B, G facing South
- (iii)  $H - B$  and  $H \leftrightarrow F$  (opposite)
- (iv) A C E or E C A and  $C \leftrightarrow I$  (opposite)

**Step 2** Start with the second statement

**Step 3** plot the arrangements



**Ans.** 36. (1), 37. (4), 38. (3), 39. (1), 40. (2)

**Exercise:**

**Directions (1 - 5):** Study the following information carefully and answer the questions given below:

A, B, C, D, E, F, G and H are sitting around a circle facing the centre. D is fourth to the right of H and second to the left of B. F is fourth to the right of B. C is fourth to the right of E who is not immediate next to B or D. A is not an immediate neighbour of D. What is B's position with respect to G?

- (1) Third to the right
- (2) Third to the left
- (3) Fifth to the right
- (4) Fourth to the left
- (5) Fourth to the right

2. In which of the following combinations is the third person sitting in between the first and the second person?

- (1) ABC      (2) GCD      (3) AHE  
(4) CBA      (5) EFG

3. Who is third to the right of A?

- (1) H      (2) E      (3) F  
(4) Data inadequate  
(5) None of these

4. Who is to the immediate left of D?

- (1) G      (2) C      (3) F  
(4) Data inadequate      (5) None of these

5. Who is fourth to the left of G?

- (1) E      (2) F      (3) A  
(4) Data inadequate      (5) None of these

**Directions (6 - 11): Study the following information carefully and answer the questions given below:**

A, M, P, D, Q, R, W and B are sitting around a circle facing at the centre. D is fourth to the left of A who is third to the right of M. P is third to the left of Q who is third to the left of M. R is third to the right of W who is second to the right of P.

6. Who is second to the left of D?

- (1) W      (2) B      (3) Q  
(4) Data inadequate      (5) None of these

7. Who is third to the left of P?

- (1) M      (2) D      (3) A  
(4) Data inadequate      (5) None of these

8. Who is to the immediate right of Q?

- (1) W      (2) D      (3) B  
(4) Data inadequate      (5) None of these

9. Which of the following pairs represents the first and second respectively to the right of W?

- (1) DM      (2) QB      (3) MR  
(4) Data inadequate      (5) None of these

10. In which of the following pairs is the second person sitting to the immediate right of the first person?

- (1) MD      (2) RM      (3) AB  
(4) QB      (5) None of these

11. Who is fourth to the right of R?

- (1) P      (2) A      (3) B  
(4) Data inadequate      (5) None of these

**Directions (12 - 16): Study the following information and answer the questions which follow:**

- (i) K, L, M, N, O, P and Q are sitting along a circular table facing the centre.  
(ii) L sits between N and O.  
(iii) K is third to the left of O.  
(iv) Q is second to the left of M. M is to the immediate left of P.

12. Which of the following pairs has the first person sitting to the immediate left of the second person?

- (1) LO      (2) MK      (3) QN  
(4) LN      (5) None of these

13. Which is the correct position of L with respect of O?

- (1) Second to the right  
(2) First to the left  
(3) First to the right  
(4) Third to the right  
(5) None of these

14. Which of the following has the middle person sitting between the other two?

- (1) NQI      (2) PMK      (3) POK  
(4) MOP      (5) None of these

15. Who sits second to the left of L?

- (1) P      (2) M      (3) K  
(4) Q      (5) None of these

16. Who sits between M and Q?

- (1) O      (2) N      (3) K  
(4) L      (5) None of these

**Directions (17 - 22): Study the following information carefully and answer the questions given below:**

P, A, D, Q, T, M, R and B are sitting around a circle facing at the centre. D is third to the left of T who is fifth to the right of P. A is third to the right of B who is second to the right of D. Q is second to the left of M.

17. Who is second to the right of M?

- (1) B      (2) R      (3) T  
(4) Q      (5) None of these

18. Who is to the immediate right of D?

- (1) M      (2) Q      (3) B  
(4) Data inadequate      (5) None of these

19. Who is third to the right of P?  
 (1) D      (2) M      (3) R  
 (4) Data inadequate      (5) None of these

20. Who is second to the left of D?  
 (1) A      (2) Q      (3) B  
 (4) P      (5) Data inadequate

21. In which of the following pairs the first person is sitting to the immediate right of the second person?  
 (1) DM      (2) BT      (3) RA  
 (4) PQ      (5) PA

22. Which of the following pairs represents the immediate neighbours of A?  
 (1) PT      (2) PB      (3) TQ  
 (4) PD      (5) None of these

**Directions (23 - 28): Study the following information carefully and answer the questions given below:**

A, B, C, D, E, F, G and H are sitting around a circle facing the centre. H is fourth to the left of and second to the right of F. A is third to the left of C, who is not an immediate neighbour of F. G is second to the left of A. D is second to the right of

23. Who is on the immediate right of F?  
 (1) H      (2) A      (3) G  
 (4) Data inadequate      (5) None of these

24. Who is third to the left of A?  
 (1) C      (2) F      (3) B  
 (4) Data inadequate      (5) None of these

25. In which of the following pairs is the first person sitting on the immediate left of the second person?  
 (1) EH      (2) CE      (3) AF  
 (4) DB      (5) None of these

26. Which of the following pairs represents the immediate neighbours of E?  
 (1) DH      (2) HC      (3) CA  
 (4) Data inadequate      (5) None of these

27. Who is on the immediate right of H?  
 (1) E      (2) C      (3) H  
 (4) Data inadequate      (5) None of these

28. Who is on the immediate right of B?  
 (1) D      (2) E      (3) F  
 (4) Data inadequate      (5) None of these

**Directions (29 - 33): Study the following information carefully and answer the questions given below:**

M, P, J, B, R, T and F are sitting around a circle facing the centre. B is third to the left of J who is second to the left of M. P is third to the left of B and second to the right of R. T is not an immediate neighbour of M.

29. Who is fourth to the right of M?  
 (1) B      (2) T      (3) J  
 (4) Data inadequate      (5) None of these

30. Who is second to the left of T?  
 (1) F      (2) M      (3) P  
 (4) J      (5) Data inadequate

31. In which of the following pairs the second person is sitting to the immediate right of the first person?  
 (1) JR      (2) PJ      (3) TR  
 (4) MP      (5) None of these

32. What is F's position with respect to R?  
 (A) Third to the left  
 (B) Fourth to the right  
 (C) Third to the right  
 (1) Only (A)      (2) Only (B)      (3) Only (C)  
 (4) Both (A) and (B)  
 (5) None of these

33. Who is third to the right of B?  
 (1) R      (2) J      (3) M  
 (4) Data inadequate      (5) None of these

**Directions (34 - 38): Study the information given below and answer these questions:**

- (i) P, Q, R, S, T, U and V are sitting along a circle facing the centre.
- (ii) P is between V and S.
- (iii) R who is second to the right of S, is between Q and U.
- (iv) Q is not the neighbour of T.

34. Which of the following is correct statement?  
 (1) V is between P and S  
 (2) S is second to the left of V  
 (3) R is third to the left of P  
 (4) P is to the immediate left of S  
 (5) None of these

35. What is the position of T?  
 (1) Between R and V  
 (2) Immediate left of V  
 (3) Second to the left of R  
 (4) Second to the right of P  
 (5) None of these
36. Who is between R and U?  
 (1) None      (2) S      (3) V  
 (4) Q      (5) None of these
37. Which of the following is wrong statement?  
 (1) R is to the immediate left of U  
 (2) Q is to the immediate left of R  
 (3) T is third to the right of Q  
 (4) U is second to the left of T  
 (5) None of these
38. Which of the following pairs has second member sitting to the immediate right of the first member?  
 (1) QS      (2) PV      (3) RU  
 (4) VT      (5) None of these
- Directions (39 - 43): Study the following information carefully and answer the questions given below:**
- P, Q, R, S, T, V and W are sitting around a circle facing the centre. V is second to the left of P and second to the right of W. T is third to the right of Q and is not an immediate neighbour of V. S is third to the right of R.
39. Who is second to the right of Q?  
 (1) R      (2) W      (3) T  
 (4) S      (5) None of these
40. Who is to the immediate left of S?  
 (1) V      (2) T      (3) Q  
 (4) W      (5) None of these
41. Who is to the immediate right of R?  
 (1) W      (2) T      (3) P  
 (4) Data inadequate  
 (5) None of these
42. Which of the following groups is the first person sitting between the second and the third person?  
 (1) RPQ      (2) TWS      (3) QPR  
 (4) QVS      (5) None of these
43. Who is third to the left of V?  
 (1) T      (2) S      (3) W  
 (4) R      (5) None of these

**Directions (44 - 48): Study the following information carefully and answer the given questions:**

- A, B, C, D, E, F, G and H are eight friends sitting around a circular table facing the centre. A sits second to the left of D who is third to the left of E. C sits third to the right of G who is not an immediate neighbour of E. H sits third to the right of B who sits second to the right of G.
44. Who sits between D and C?  
 (1) Only B      (2) Only C and A  
 (3) Only C      (4) Only B  
 (5) Only G and E
45. Who sits second to the right of E?  
 (1) B      (2) D      (3) G  
 (4) C      (5) None of these
46. What is the position of A with respect to H?  
 (1) Third to the left  
 (2) Third to the right  
 (3) Second to the left  
 (4) Second to the right  
 (5) Fourth to the left
- Four of the following five are alike based upon their seating arrangements and so form a group. Which is the one that does not belong to that group?
- (1) CH      (2) FG      (3) DA  
 (4) BE      (5) GB
48. Which of the following pairs has the second person sitting to the immediate left of the first person?  
 (1) DB      (2) EH      (3) FA  
 (4) GD      (5) None of these

**Directions (49 - 53): Study the following information carefully and answer the questions given below:**

- P, Q, R, S, T, U, V and W are sitting around a circle facing the centre. T is second to the left of P and third to the right of V. S is second to the right of W who is to the immediate right of T. Q is third to the right of U.
49. In which of the following pairs is the third person sitting in between the first and the second persons?  
 (1) USP      (2) VRU      (3) TQW  
 (4) WPS      (5) None of these
50. Who is to the immediate left of T?  
 (1) Q      (2) W      (3) R  
 (4) Data inadequate  
 (5) None of these

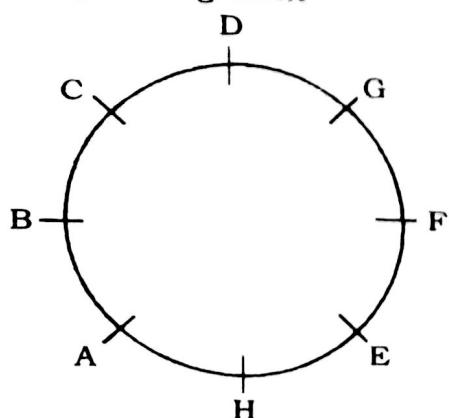
51. Who is second to the right of P?  
 (1) S                   (2) V           (3) U  
 (4) Q                   (5) Data inadequate
52. What is R's position with respect to W?  
 (1) Third to the left  
 (2) Fourth to the left  
 (3) Sixth to the right  
 (4) Fifth to the left  
 (5) None of these
53. Who is fourth to the left of R?  
 (1) U   (2) P   (3) S   (4) W   (5) None of these
- Directions (54 - 55): Study the following information carefully and answer the questions given below:**
- Six friends P, Q, R, S, T and U are standing in a row. Q is exactly in between U and S. T is standing in between P and R. P is not a neighbour of S and U. R is not a neighbour of S.
54. U is standing in between which of the following pair?  
 (1) Q and R   (2) Q and S   (3) Q and P  
 (4) R and P   (5) None of these
55. R is standing in between which of the following?  
 (1) S and U   (2) T and Q   (3) T and U  
 (4) P and T   (5) None of these
- Directions (56 - 60): Study the following information carefully and answer the questions given below:**
- Six friends A, B, C, D, E and F are in two rows, each row having three friends facing each other and standing in such a way that-
- (i) F is second to the right of C.
  - (ii) A is at the end of a row.
  - (iii) E is the neighbour of B.
  - (iv) C is exactly in front of B.
56. Which of the following pair is not facing each other.  
 (1) E                   (2) C, B   (3) E, D  
 (4) F, A                   (5) None of these
57. Which of the following statement is true?  
 (1) A is second to the left of C.  
 (2) E is to the left of B.  
 (3) C and B are diagonally opposite to each other.  
 (4) D is to the right of A.  
 (5) None of these
58. Which of the following people are standing opposite to each other?  
 (1) A, B                   (2) D, E   (3) C, F  
 (4) A, D                   (5) None of these
59. Which of the following are standing in a row?  
 (1) A, B and F   (2) E, B and A  
 (3) A, C and E   (4) B, F and D  
 (5) None of these
60. If A and B exchange their places with each other, who will be exactly left of B?  
 (1) D                   (2) E           (3) F  
 (4) C                   (5) None of these
- Directions (61 - 65): Study the following information carefully and answer the questions given below:**
- (i) A, B, C, D, E and T are standing in a row facing South.
  - (ii) A is third to the right of E.
  - (iii) C is fourth from one end of the row.
  - (iv) B who is in between A and D, is third to the right of T.
61. Which pair of the following is at the two ends of the row?  
 (1) D and C                   (2) A and E  
 (3) T and D                   (4) T and E  
 (5) None of these
62. What is the position of E?  
 (1) Immediate right of T  
 (2) Right end of the row  
 (3) Fifth to the left of D  
 (4) In between C and T  
 (5) None of these
63. Which of the following is true?  
 (1) A is immediate left of C  
 (2) E is immediate right of T  
 (3) C is in between T and E  
 (4) C is second to the right of B  
 (5) None of these
64. Which of the following is not true?  
 (1) D is immediate left of B  
 (2) D is at one end of the row  
 (3) E is at one end of the row  
 (4) A and C are neighbours  
 (5) There is no one between C and T

65. Which of the following pair represents two members standing near each other? (17 - 22):

- D, B and A, T
- A, B and E, T
- A, C and E, D
- E, C and T, C
- None of these

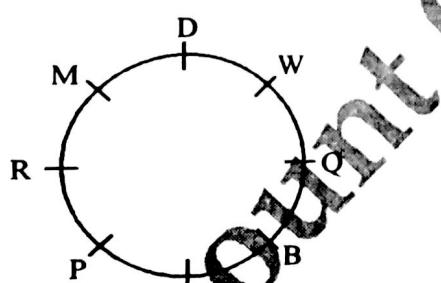
**Answers with Explanation:-**

(1 - 5): Sitting Arrangement



- 1; B is third to the right of G.
- 2; D is sitting between G and C.
- 3; F is third to right of A.
- 4; 1; G is to the immediate left of D.
- 5; 3; A is fourth to the left of G.

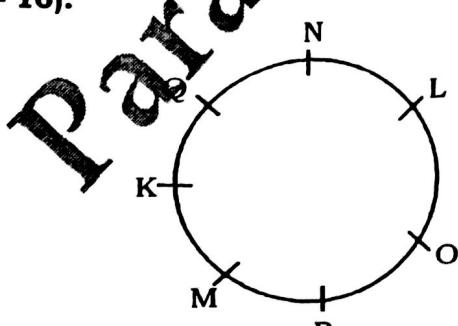
(6 - 11):



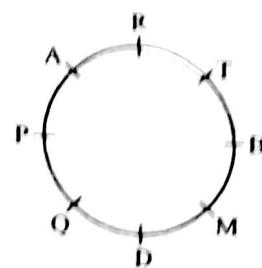
6. 3
7. 2
8. 1
9. 1
10. 3

11. 5 (Ans. is)

(12 - 16):

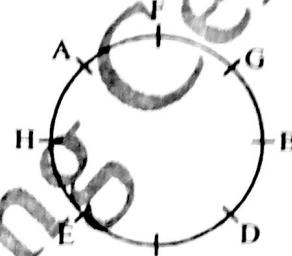


12. 4
13. 5 (2<sup>nd</sup> from left)
14. 2
15. 1
16. 3



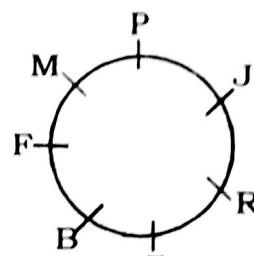
17. 3
  18. 1
  19. 2
  20. 4
  21. 6
22. 5; P and R are immediate neighbours of A.

(23 - 28):



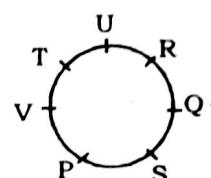
23. 2
  24. 3
  25. 4
  26. 2
  27. 1
28. 5 (Answer is G)

(29 - 33):



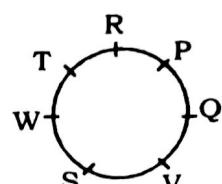
29. 5 (Ans. is R)
30. 1
31. 3
32. 4
33. 2

(34 - 38):



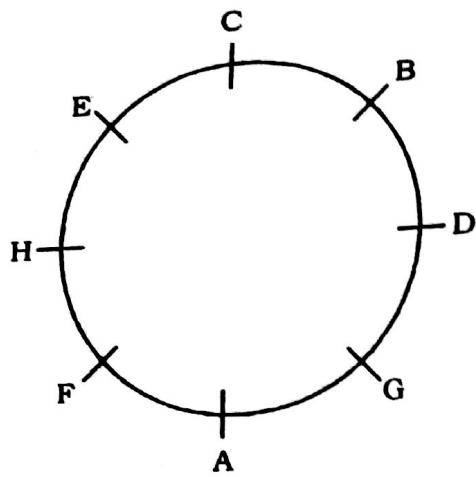
34. 4
35. 2
36. 1
37. 4
38. 3

(39 - 43):



39. 1
40. 4
41. 2
42. 5
43. 1

(44 - 48):

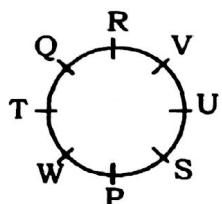


44. 1 45. 2 46. 4

47. 3; In all others, the second person is second to the right of the first.

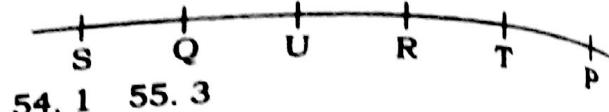
48. 5

(49 - 53):

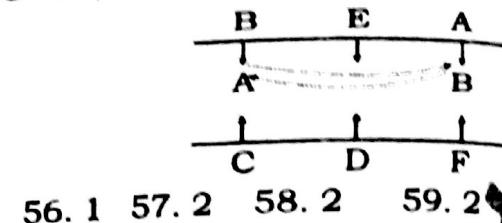


(54 - 55):

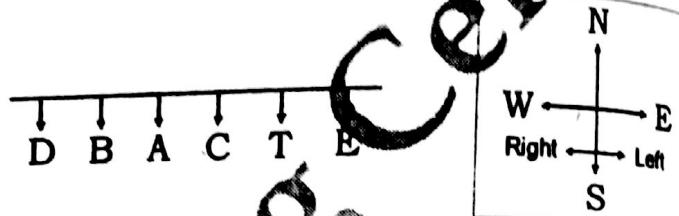
49. 5 50. 1 51. 3 52. 1



(56 - 60):



(61 - 65):



61. 5 (D and B)

62. 3 63. 5 64. 1 65. 2

Paramount Coaching Centre

# 10

## SITTING ARRANGEMENT QUESTIONS BASED ON LATEST PATTERN

**Directions (1 - 5): Study the following information carefully and answer the given questions.**

A, B, C, D, E, F, G and H are sitting around a circular table facing the centre. Each one of them has a different profession viz. doctor, engineer, architect, teacher, clerk, shopkeeper, businessman and banker.

A sits third to right of teacher. D sits second to left of G. G is not an immediate neighbour of the teacher. Only one person sits between B who is the shopkeeper and teacher. The one who is an architect sits third to the right of the shopkeeper. H sits between architect and engineer. E is not an immediate neighbour of H. Engineer sits third to the right of clerk. Only one person sits between businessman and F. E is neither a businessman nor a doctor.

1. Which of the following is true with respect of the given seating arrangement?

- (1) E is an immediate neighbour of the engineer.
- (2) E is an architect
- (3) The clerk is an immediate neighbour of the banker.
- (4) The teacher sits between N and the engineer
- (5) Shopkeeper sits second to the right of the teacher.

2. What is the profession of H?

- (1) Businessman
- (2) Architect
- (3) Banker
- (4) Teacher
- (5) Shopkeeper

3. What is the position of doctor with respect to the banker?

- (1) Immediately to the left
- (2) Third to the left
- (3) Second to the right
- (4) Fourth to the left
- (5) Second to the left.

4. Who sit(s) exactly between the architect and the businessman?

- (1) C and H
- (2) Clerk
- (3) Banker and shopkeeper

5. (4) Doctor      (5) C and teacher  
Who amongst the following is a clerk?

- (1) C
- (2) D
- (3) E
- (4) F
- (5) G

**Directions (6 - 10): Study the following information carefully and answer the given questions.**

Twelve people are sitting in two parallel rows containing six people each, in such a way that there is an equal distance between adjacent persons. In row-1; P, Q, R, S, T and V are seated and all of them are facing South. In row-2; A, B, C, D, E and F are seated and all of them are facing North. Therefore, in the given seating arrangement each member seated in a row faces another member of the other row.

P sits third to the left of T. Neither P nor T sits at an extreme end of the line. A sits second to the right of E. Neither A nor E faces T or P. A does not sit at an extreme end. R does not face A and R does not sit at an extreme end of the line. Only one person sits between F and C. Neither F nor C faces T. C does not sit at the extreme end. Only one person sits between V and Q. F is not an immediate neighbour of B and A does not face V.

How many persons are seated between B and D?

- (1) One
- (2) Two
- (3) Three
- (4) Four
- (5) None

7. V is related to B in the same way as Q is related to C. To which of the following is P related following the same pattern?

- (1) F
- (2) A
- (3) D
- (4) E
- (5) None of these

8. Which of the following is true regarding V?

- (1) V faces A
- (2) T is not an immediate neighbour of V
- (3) C faces the one who is second to left of V
- (4) V sits at one of the extreme ends of the line
- (5) R sits third to the right of V

9. Who amongst the following sit at extreme ends of the rows?  
 (1) D, F      (2) V, S    (3) Q, S  
 (4) B, D      (5) None of these
10. Who amongst the following faces B?  
 (1) V      (2) S    (3) Q  
 (4) R      (5) T
- Directions (11 - 16): Study the following information carefully and answer the given questions.**
- J, P, Q, R, S, T, U and V are 4 married couple sitting in a circle facing the centre. The profession of the males within the group are lecturer, lawyer, doctor and scientist. Among the males, only R (the lawyer) and V (the scientist) are sitting together. Each man is seated besides his wife. U, the wife of the Lecturer is seated second to the right of V. T is seated between U and V. P is the wife of the Doctor. Q is a male but he is not doctor. S is a Male.
11. Which of the following is P's position with respect to S?  
 (1) Second to the right  
 (2) Second to the left  
 (3) Immediate right  
 (4) Immediate left  
 (5) Third to the left
12. Which of the following is J's position with respect to T?  
 (1) Third to the left  
 (2) Fourth to the right  
 (3) Third to the right  
 (4) Opposite T  
 (5) Second to the right
13. Which of the following is **not true** regarding the couples?  
 (1) P is the wife of S  
 (2) T is the wife of Q  
 (3) R is the husband of J  
 (4) J and S are seated adjacent to each other  
 (5) All are true
14. The wives of which two husband are immediate neighbours?  
 (1) UT      (2) SR    (3) VQ  
 (4) RV      (5) None of these
15. Four of the following are alike in a certain way based on their seating position in the above arrangement and so form a group. Which is the one that **does not** belong to the group?  
 (1) RSJ      (2) TRV    (3) UTV  
 (4) SQP      (5) UPQ
16. Who is the Lawyer's wife?  
 (1) T      (2) P    (3) J  
 (4) U      (5) None of these
- Directions (17 - 21): Study the following information carefully and answer the given questions.**
- Seven people A, B, C, D, E, F and G are sitting in a circle. Five of them are facing the centre while two of them are facing opposite to the centre. C sits third to the left of D and both are facing the centre. E is neither an immediate neighbour of D nor of C. The one sitting exactly between D and F is facing opposite to the centre. G sits third to the right of A and G is facing the centre. One of B's neighbour is facing opposite to the centre.
17. Which of the following pairs represents persons, facing opposite to the centre?  
 (1) A and F    (2) E and F    (3) A and E  
 (4) Cannot be determined  
 (5) None of these
18. Who is sitting second to the left of A?  
 (1) C      (2) G    (3) E  
 (4) B      (5) None of these
19. Who is sitting to the immediate left of E?  
 (1) C      (2) G    (3) B  
 (4) A      (5) None of these
20. What is the position of F with respect to B?  
 (1) Fourth to the left  
 (2) Second to the right  
 (3) Third to the right  
 (4) Second to the left  
 (5) None of these
21. If all the persons are asked to sit in a clockwise direction in an alphabetical order starting from A, the position of how many will remain unchanged, excluding A?  
 (1) Three    (2) One    (3) Two  
 (4) None    (5) Four

**Directions (22 - 26): Study the following information carefully and answer the given questions.**

Eight friends P, Q, R, S, T, V, W and Y are sitting around a square table in such a way that four of them sit at four corners of the square while four sit in the middle of each of the four sides. The ones who sit at the four corners face the centre while those who sit in the middle of the sides face outside.

P who faces the centre sits third to the right of V. T who faces the centre, is not an immediate neighbour of V. Only one person sits between V and W. S sits second to right of Q. Q faces the centre. R is not an immediate neighbour of P.

22. Who sits second to the left of Q?
  - (1) V
  - (2) P
  - (3) T
  - (4) Y
  - (5) Cannot be determined
23. What is the position of T with respect to V?
  - (1) Fourth to the left
  - (2) Second to the left
  - (3) Third to the left
  - (4) Third to the right
  - (5) Second to the right
24. Four of the following five pairs are alike in a certain way based on their positions in the above arrangement and so form a group. Which of the following **does not** belong to the group?
  - (1) R
  - (2) W
  - (3) V
  - (4) S
  - (5) Y
25. Which of the following will come in place of the question mark based upon the given seating arrangement?  
WP TR QV RS ?
  - (1) VT
  - (2) VY
  - (3) VQ
  - (4) PY
  - (5) QV
26. Which of the following is true regarding R?
  - (1) R is an immediate neighbour of V
  - (2) R faces the centre
  - (3) R sits exactly between T and S
  - (4) Q sits third to left of R
  - (5) None is true

**Directions (27 - 31): Study the following information carefully and answer the given questions.**

Twelve people are sitting in two parallel rows containing six people each, in such a way that there is an equal distance between adjacent persons. In row-1; P, Q, R, S, T and V are seated and all of them are facing South. In row-2; A, B, C, D, E and F are seated and all of them are facing North. Therefore, in the given seating arrangement each member seated in a row faces another member of the other row.

A sits third to right of D. Neither A nor D sits at extreme ends. T faces D. V does not face A and V does not sit at any of the extreme ends. V is not an immediate neighbour of T. A sits at one of the extreme ends. Only two people sit between B and E. E does not face V. Two persons sit between R and Q. R is not an immediate neighbour of T. C does not face V. P is not an immediate neighbour of R.

27. Who amongst the following sit at extreme ends of the rows?
  - (1) B, E
  - (2) S, T
  - (3) P, R
  - (4) B, F
  - (5) None of these
28. Who amongst the following faces A?
  - (1) R
  - (2) T
  - (3) P
  - (4) Q
  - (5) S
29. P is related to V in the same way as C is related to F. To which of the following is E related in the same Pattern?
  - (1) B
  - (2) D
  - (3) C
  - (4) A
  - (5) None of these
30. Which of the following is true regarding F?
  - (1) F sits second to right of C
  - (2) F is not an immediate neighbour of A
  - (3) F sits third to left of D
  - (4) F sits at one of the extreme ends of the line
  - (5) F faces V
31. Who amongst the following sits exactly between P and Q?
  - (1) R
  - (2) V
  - (3) S
  - (4) T
  - (5) Cannot be determined

**Directions (32 - 36): Study the following information carefully and answer the given questions.**

Eight people - S, R, N, L, M, T, O and P are sitting in a circle facing the centre. All eight belong to different professions- reporter, doctor, cricketer, teacher, accountant, shopkeeper, painter and supervisor. They are not necessarily seated in the mentioned order.

M is sitting third to the left of O. The doctor is to the immediate right of M and M is not a reporter. R is sitting fourth to the right of P. Neither R nor P is an immediate neighbour of M. T is a teacher and is sitting third to the right of the doctor. The shopkeeper is sitting second to the left of the teacher. The painter is sitting second to the left of M. S the cricketer is sitting exactly between T and P. The accountant is sitting second to the right of the cricketer. N is sitting third to the left of T.

32. Who amongst the following is a reporter?

- (1) O                   (2) L                   (3) N
- (4) R                   (5) None of these

33. What is S's position with respect to R?

- (1) Third to the right
- (2) Second to the right
- (3) Third to the left
- (4) Second to the left
- (5) Fourth to the right

34. How many people are sitting between P and N when counted in an anti clockwise direction from N?

- (1) One                   (2) Two                   (3) Three
- (4) Four                   (5) None

35. Four to the following five pairs are alike in a certain way based on their positions in the above arrangement and so form a group. Which of the following does not belong to the group?

- (1) Teacher - painter
- (2) Supervisor - Shopkeeper
- (3) Cricketer - Reporter
- (4) Doctor - Accountant
- (5) Shopkeeper - Doctor

36. Which one of the following statements is false according to the above mentioned arrangement?

- (1) N is to the immediate right of the supervisor
- (2) The cricketer is third to the right of the shopkeeper
- (3) The doctor is sitting exactly between the supervisor and the accountant
- (4) L is neither a teacher nor a supervisor
- (5) There are only three people between S and N

**Directions (37 - 42): Study the following information carefully and answer the given questions.**

K, L, M, P, Q, R, S and T are sitting around a square table in such a way that four of them sit at four corners of the square while four sit in the middle of each of the four sides. The ones who sit at the four corners face outside while those who sit in the middle of the sides face the centre of the table.

P sits third to the right of S, S faces the centre. Q sits third to the left of M, M does not sit in the middle of the sides. Only one person sits between Q and R. R is not an immediate neighbour of M. T faces the centre. K is not an immediate neighbour of R.

37. What is position of M with respect to L?

- (1) Third to the right
- (2) M and L sit diagonally opposite to each other
- (3) Second to the right
- (4) Second to the left
- (5) Fifth to the right

38. Who sits exactly between Q and R?

- (1) T                   (2) P                   (3) K
- (4) M                   (5) S and K

39. Which of the following pairs represents the persons seated in the middle of the sides who face each other?

- (1) S, Q                   (2) K, L                   (3) M, P
- (4) R, T                   (5) T, Q

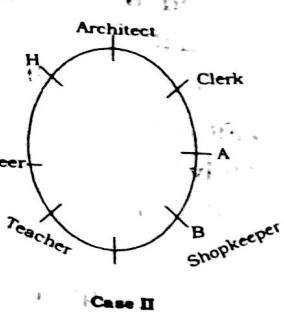
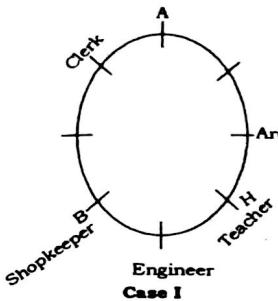
40. Who amongst the following sit between R and K when counted in anti-clockwise direction from K?

- (1) No one sits between R and K as R and K are immediate neighbours of each other
- (2) S, P and L                   (3) P and Q
- (4) L and R                   (5) M, S and T

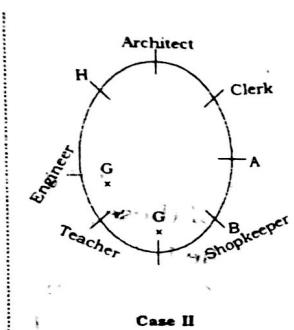
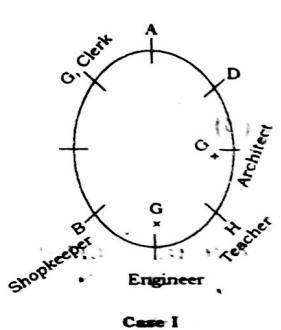
41. If K is made to face the opposite direction, who would sit to his immediate right?  
 (1) R                    (2) Q                    (3) R  
 (4) T                    (5) S
42. Four of the following five are alike in a certain way and so form a group. Which is the one that does not belong to that group?  
 (1) L                    (2) M                    (3) K  
 (4) P                    (5) R
- Directions (43 - 47): Study the following information carefully and answer the given questions:**
- A, B, C, D, E, F, G and H are sitting around a square table facing the centre in such a way that four of them sit at four corners of the square while four sit in the middle of each of the four sides:
- (a) A sits second to right of F, F sits in the middle of one of the sides of the table.
  - (b) G who does not sit at any of the corners of the table sits second to the right of D
  - (c) Only two people sit between D and B (taken from one side)
  - (d) C is not an immediate neighbour of G
  - (e) H sits second to left of B
  - (f) E is not an immediate neighbour of G or F.
43. Who sits exactly between F and G?  
 (1) B                    (2) C                    (3) E  
 (4) H                    (5) None of these
44. How many persons sit between A and H when counted in anti-clockwise direction from A?  
 (1) None                (2) One                (3) Two  
 (4) Three                (5) Four
45. Four of the following five are alike in a certain way based on their seating positions in the above arrangement and so form a group. Which is the one that does not belong to the group?  
 (1)                      (2) F                    (3) A  
 (4) E                    (5) G
46. What is the position of F with respect to C?  
 (1) Third to the left  
 (2) Immediate to the right  
 (3) Second to the left  
 (4) Third to the right  
 (5) Immediate to the left
47. What will come in the place of the question mark (?) based upon the given seating arrangement?  
 AE EH HF ?  
 (1) FE                    (2) HC                    (3) FD  
 (4) DB                    (5) FH
- Directions (48 - 52): Read the following information carefully and answer the questions which follow :-**
- A, B, C, D, E, F, G and H study in different standards viz. 1<sup>st</sup>, 2<sup>nd</sup>, 3<sup>rd</sup>, 4<sup>th</sup>, 5<sup>th</sup>, 6<sup>th</sup>, 7<sup>th</sup> and 8<sup>th</sup>. All of them are seated around a circular table facing the centre.
- C sits third to right of H. H studies in std. 8<sup>th</sup>. F sits second to left of E. E is not an immediate neighbour of C or H. The one who studies in std. 1 is an immediate neighbour of C. Three people sit between H and the student of std. 7.
- H, C and also their immediate neighbours do not study in std. 2. Only one person sits between the student of std. 2 and G. Students of std. 3 and 4 are immediate neighbours of each other. C is neither in std. 4 nor in std. 3. Only one person sits between A and the student of std. 5. A does not study in std. 2 or 3, B does not study in std. 2.
48. Who amongst the following represent immediate neighbour of G?  
 (1) A, B  
 (2) E and the student of Std. 2  
 (3) H and the student of std. 6  
 (4) E, F  
 (5) A, D
49. How many persons sit between D and the student of std. 4, when counted from the left hand side of student of std. 4?  
 (1) None                (2) One                (3) Two  
 (4) Three                (5) Four
50. Which of the following is true?  
 (1) Only one person is sitting between student of std. 4 and std. 6  
 (2) D studies in std. 2  
 (3) The one studying in std. 3 is an immediate neighbour of H  
 (4) One person sits between H and the student of std. 2  
 (5) None is true

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Now, we have information that H sits between architect and Engineers. Also, the engineer sits third to the right of clerk.

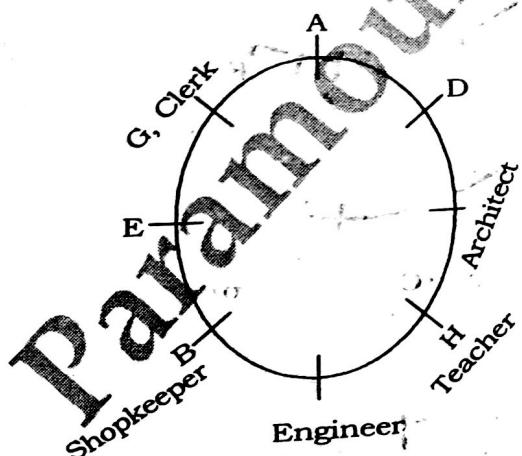


Now, look for the positions of D and G. We know, D sits second to the left of G. Also, G is not an immediate neighbour of the teacher.



Reject Case II, because we can't place D and G according to the given conditions.

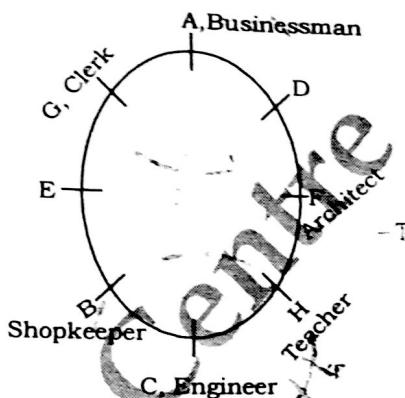
Now, look for the positions of E. Since E is not immediate neighbour of H, hence we can conclude that E is sitting between B and G.



Now, look for the positions of businessman and F. We have information that only one person is sitting between businessman and F. Also, E is neither businessman nor a doctor.

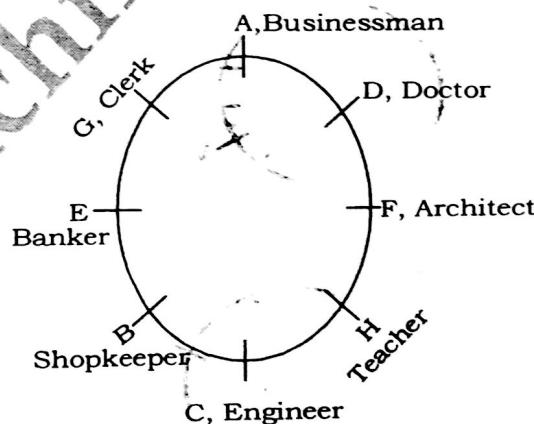
A careful look will be helpful to

conclude that A is a businessman and F is an architect. Thus by elimination we can conclude that C is an Engineer.



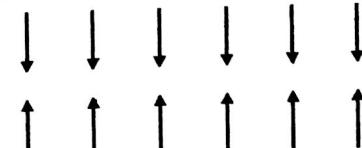
Now, since E is not a doctor, we can conclude that it is D who is a doctor, whereas E is a banker.

Thus, the complete information is as follows:



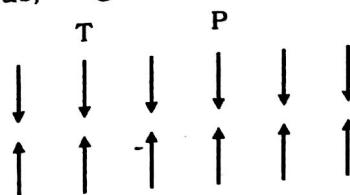
1. 3    2. 4    3. 2    4. 4    5. 5

**6 - 10:** Make an arrangement as shown below:



Look for the positions of P and T. We have information that P sits third to left of T. Also, Neither P nor T sits at an extreme end of the line.

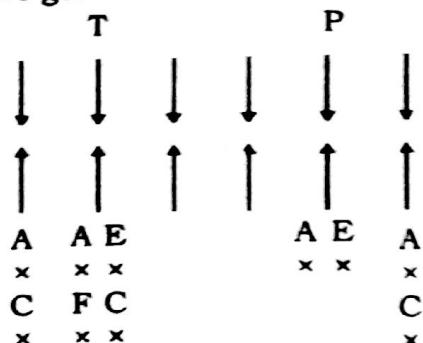
Thus, we get



Use the following clues to proceed.

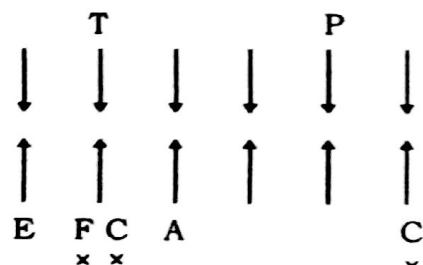
- Neither A nor E faces T or P.
- A does not sit at an extreme end.
- Neither F nor C faces T.
- C does not sit at the extreme end.

Now, we get



Now, look for the positions of E and A. We know A sits second to the right of E. i.e. E - A.

We get,



Now, arrange the position of F and C. We know that only one person is sitting between F and C. Thus the order of F and C will be

1. F - C

Or,

2. C - F

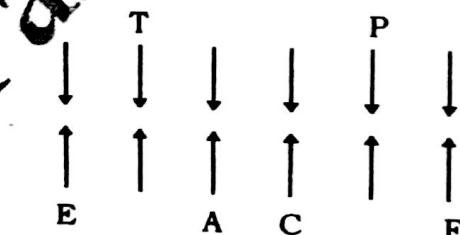
We can't accommodate F and C in this order **11 - 16:**

1. F - C

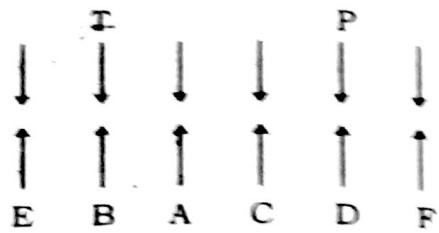
Thus, The order of F and C will be as

C - F

Hence, we get



Again, since F is not immediate neighbour of B, thus we can conclude that B is sitting between E and A. Thus, 'D' the only person left in the row (facing North) is sitting between C and F.



Now, look for R's position in the row. We have information that R does not face A and R does not sit at an extreme end of the line. Thus, we can conclude that R is sitting opposite C.

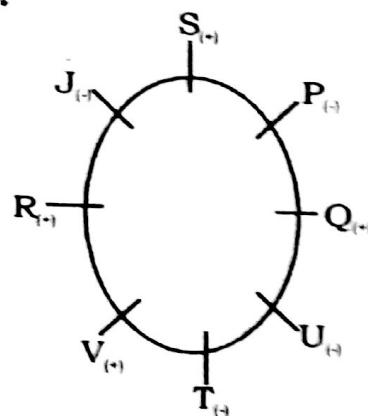


Now, look for the position of Q and V. We know that only one person is sitting between V and Q. Also, A does not face V.

On the basis of the above information we can conclude that V is sitting opposite E where as Q is sitting opposite A.

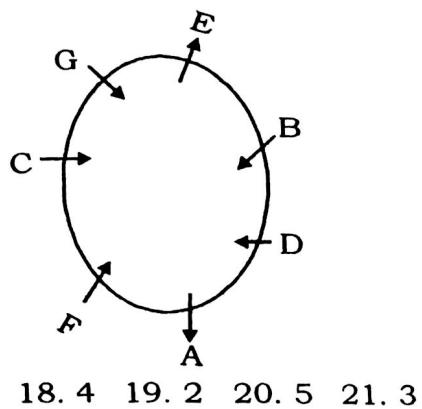
Now, the only person left in the row (facing south) is S. S is sitting opposite F. Thus, the complete information is as follow.

V	T	Q	R	P	S
↓	↓	↓	↓	↓	↓
↑	↑	↑	↑	↑	↑
E	B	A	C	D	F
6. 2	7. 1	8. 4	9. 2	10. 5	

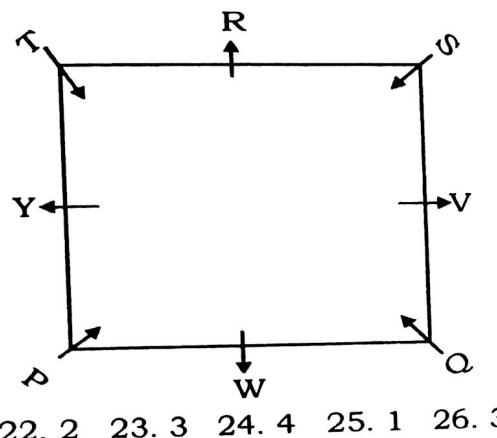


$R_{(+)}$ [Lawyer]	$J_{(+)}$
$V_{(+)}$ [Scientist]	$T_{(+)}$
$Q_{(+)}$ [Lecturer]	$U_{(+)}$
$S_{(+)}$ [Doctor]	$P_{(+)}$
11. 4	12. 1
13. 2	14. 3
15. 3	16. 3

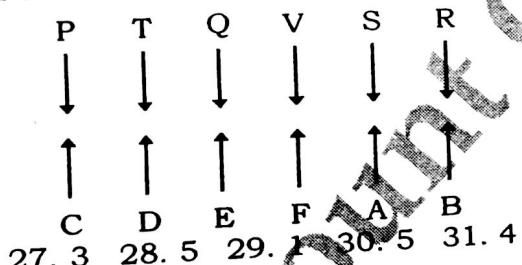
17 - 21:



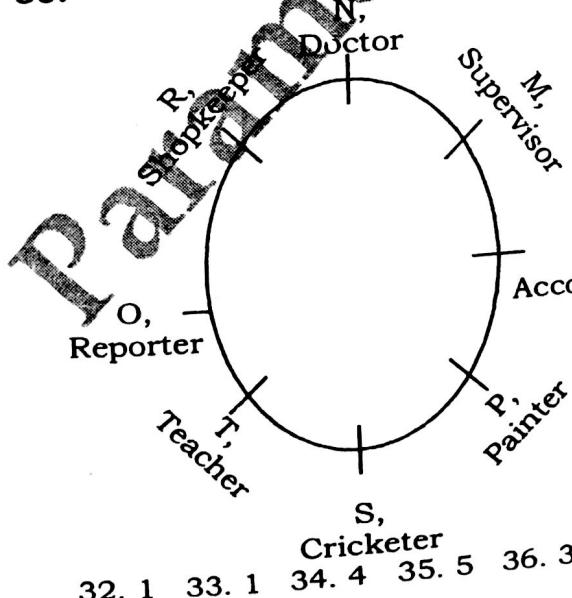
22 - 26:



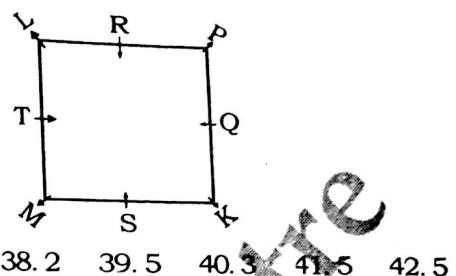
27 - 32 :



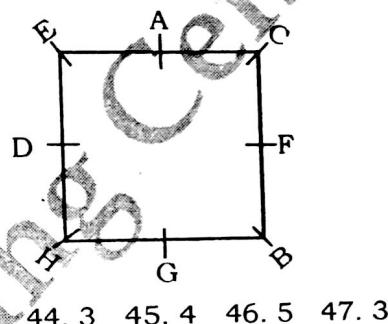
32 - 36:



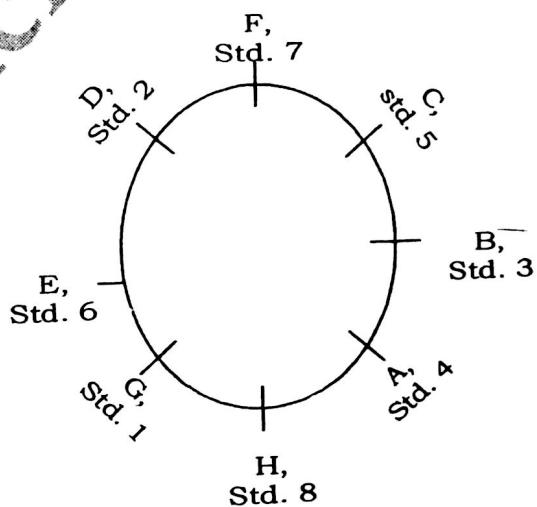
37 - 42:



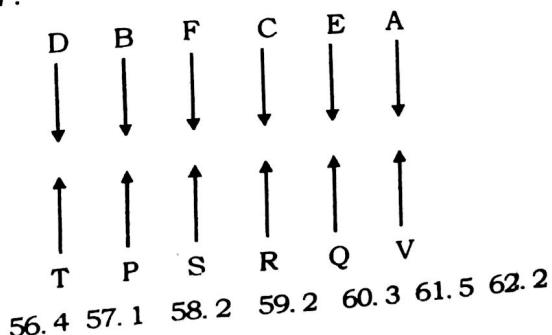
43 - 47:



48 - 55:



56 - 62 :



1. Nitin ranks eighteenth in a class of 49 students. What is his rank from the last?  
 (1) 18      (2) 19      (3) 31  
 (4) 32      (5) None of these
2. Manoj and Sachin are ranked seventh and eleventh respectively from the top in a class of 31 students. What will be their respective ranks from the bottom in the class?  
 (1) 20<sup>th</sup> and 24<sup>th</sup>  
 (2) 24<sup>th</sup> and 20<sup>th</sup>  
 (3) 25<sup>th</sup> and 21<sup>st</sup>  
 (4) 26<sup>th</sup> and 22<sup>nd</sup>  
 (5) None of these
3. Mohan is thirteenth from the left end in a row of children. Prabir is twelfth from the right end and eighteenth from the left end. How many children are towards the right of Mohan in that row?  
 (1) 12      (2) 18      (3) 17  
 (4) Can't be determined  
 (5) None of these
4. In a row of children A is 13<sup>th</sup> from the left and D is 17<sup>th</sup> from the right. If in this row A is 11<sup>th</sup> from the right then what is the position of D from the left?  
 (1) 12<sup>th</sup>      (2) 7<sup>th</sup>      (3) 10<sup>th</sup>  
 (4) 6<sup>th</sup>      (5) None of these
5. In a row of boys Mohan is twentieth from the left end and twelfth from the right end. Pratap is fifteenth from the right end in that row. How many boys are there between Mohan and Pratap?  
 (1) 4      (2) 2      (3) 3  
 (4) 5      (5) None of these
6. In a row of students, Ramesh is 12<sup>th</sup> from the left and Kashi is 17<sup>th</sup> from the right. When Ramesh and Kashi interchange their positions Kashi becomes 27<sup>th</sup> from the right. How many students are there between Kashi and Ramesh?  
 (1) 9      (2) 12      (3) 7  
 (4) 10      (5) None of these
7. In a row of forty students R is fifth from the right end and there are ten students between R and D. What is D's position from the left end of the row?  
 (1) 26<sup>th</sup>      (2) 23<sup>rd</sup>      (3) 24<sup>th</sup>  
 (4) 25<sup>th</sup>      (5) Data inadequate
8. Among A, B, C, D and E each one has scored different marks in an examination, B scored more than C and E and less than A and D. C's marks are not the lowest. Who scored the lowest marks?  
 (1) D      (2) C      (3) B  
 (4) Data inadequate      (5) None of these
9. In a queue of thirty boys, M is eighth from the end and J is twelfth from the front. If there are six boys between J and Q, how many boys are there between M and Q?  
 (1) 10      (2) 12      (3) 8  
 (4) Data inadequate      (5) None of these
10. In a queue of 20 boys, D is fourteenth from the front and F is ninth from the bottom. How many boy are there between D and F?  
 (1) 2      (2) 3      (3) 4  
 (4) Data inadequate      (5) None of these
11. Mohan is fourteenth from the right end in a row of 40 boys. What is his position from the left end?  
 (1) 25<sup>th</sup>      (2) 27<sup>th</sup>      (3) 24<sup>th</sup>  
 (4) 26<sup>th</sup>      (5) None of these
12. In a group of six children, Q is taller than P but not as tall as L. M is taller than N and O, but not as tall as P. Who is the shortest among them?  
 (1) N      (2) O      (3) M  
 (4) Data inadequate      (5) None of these
13. In a group of six children T, K, V, O, M and W, T is fatter than M but not as fat as W. K is not the fattest nor is W whereas V is the thinnest. Who is the fattest among them all?  
 (1) O      (2) T      (3) M  
 (4) Data inadequate      (5) None of these

14. Among five students M is heavier than K and T. B is lighter than T and P. K is not the lightest. Who among them is the lightest?  
 (1) K                   (2) B           (3) T  
 (4) Data inadequate   (5) None of these
15. Sam ranked ninth from the top and thirty-eighth from the bottom in a class. How many students are there in the class?  
 (1) 45                   (2) 46           (3) 47  
 (4) 48                   (5) None of these
16. A class of boys stands in a single line. One boy is nineteenth in order from both the ends. How many boys are there in the class?  
 (1) 27                   (2) 37           (3) 38  
 (4) 39                   (5) None of these
17. Ajay ranked sixteenth from the top and twenty-ninth from the bottom among those who passed an examination. Six boys did not participate in the competition and five failed in it. How many boys were there in the class?  
 (1) 40                   (2) 44           (3) 50  
 (4) 55                   (5) 58
18. If Atul finds that he is twelfth from the right and fourth from the left, how many boys should be added to the queue so that there are 28 boys in the line?  
 (1) 12                   (2) 13           (3) 14  
 (4) 20                   (5) None of these
19. In a row of boys, Jeevan is seventh from the start and eleventh from the end. In another row of boys, Vikas is tenth from the start and twelfth from the end. How many boys are there in both the rows together?  
 (1) 36                   (2) 37           (3) 39  
 (4) Can't be determined   (5) None of these
20. In a class of 60, where girls are twice to that of boys, Kamala, a girl ranked sixteenth from the top. If there are 9 girls ahead of Kamala, how many boys are after her in the rank?  
 (1) 13                   (2) 7           (3) 14  
 (4) 23                   (5) None of these
21. Ravi is 7 ranks ahead of Sumit in a class of 39 students. If Sumit's rank is seventeenth from the last, what is Ravi's rank from the start?  
 (1) 14<sup>th</sup>                   (2) 15<sup>th</sup>           (3) 16<sup>th</sup>  
 (4) 17<sup>th</sup>                   (5) None of these
22. Bharati is 8 ranks ahead of Divya who ranks twenty-sixth in a class of 42. What is Bharati's rank from the last?  
 (1) 9<sup>th</sup>                   (2) 24<sup>th</sup>           (3) 25<sup>th</sup>  
 (4) 34<sup>th</sup>                   (5) None of these
23. In a row of boys, A is thirteenth from the left and D is seventeenth from the right. If in this row A is eleventh from the right then what is the position of D from the left?  
 (1) 6<sup>th</sup>                   (2) 7<sup>th</sup>           (3) 10<sup>th</sup>  
 (4) 12<sup>th</sup>                   (5) None of these
24. Rajan is sixth from the left end and Vinay is tenth from the right end in a row of boys. If there are eight boys between Rajan and Vinay, how many boys are there in the row?  
 (1) 23                   (2) 24           (3) 25  
 (4) 26                   (5) None of these
25. In a row of boys, A is fifteenth from the left and B is fourth from the right. There are three boys between A and B. C is just left of A. What is C's position from the right?  
 (1) 9<sup>th</sup>                   (2) 10<sup>th</sup>           (3) 12<sup>th</sup>  
 (4) 13<sup>th</sup>                   (5) None of these
26. Rohit is seventeenth from the left end of a row of 29 boys and Karan is seventeenth from the right end in the same row. How many boys are there between them in the row?  
 (1) 3                   (2) 5           (3) 6  
 (4) Data inadequate   (5) None of these
27. In a row of forty children, P is thirteenth from the left end and Q is ninth from the right end. How many children are there between P and R, if R is fourth to the left of Q?  
 (1) 12                   (2) 13           (3) 14  
 (4) 15                   (5) None of these
28. In a class of 35 students, Kunal is placed seventh from the bottom whereas Sonali is placed ninth from the top. Pulkit is placed exactly in between the two. What is Kunal's position from Pulkit?  
 (1) 9                   (2) 10           (3) 11  
 (4) 13                   (5) None of these

29. Richard is fifteenth from the front in a column of boys. There were thrice as many behind him as there were in front. How many boys are there between Richard and the seventh boy from the end of the column?
- (1) 33      (2) 34      (3) 35  
 (4) Data inadequate      (5) None of these
30. Forty boys are standing in a row facing the North. Amit is eleventh from the left and Deepak is thirty-first from the right end of the row. How far will Shreya who is third to the right of Amit in the row, be from Deepak?
- (1) 2<sup>nd</sup>      (2) 3<sup>rd</sup>      (3) 4<sup>th</sup>  
 (4) 5<sup>th</sup>      (5) None of these
31. In a class, among the passed students, Amisha is twenty-second from the top and Sajal who is 5 ranks below Amisha, is thirty-fourth from the bottom. All the students from the class have appeared for the exam. If the ratio of the students who passed in the exam to those who failed is 4:1 in that class, how many students are there in the class?
- (1) 60      (2) 75      (3) 90  
 (4) Data inadequate      (5) None of these
32. In a queue, A is eighteenth from the front while B is sixteenth from the back. If C is 25<sup>th</sup> from the front and is exactly in the middle of A and B, then how many persons are there in the queue?
- (1) 45      (2) 46      (3) 47  
 (4) 48      (5) None of these
33. N ranks fifth in a class. S is eighth from the last. If T is sixth after N and just in the middle of N and S, then how many students are there in the class?
- (1) 23      (2) 24      (3) 25  
 (4) 6      (5) None of these
34. In a row of girls, there are 16 girls between Priya and Natasha. Priya is thirty-second from the left end of the row. If Priya is nearer than Natasha from the right end of the row, then how far away is Natasha from the left end of the row?
- (1) Data inadequate  
 (2) 14<sup>th</sup>      (3) 15<sup>th</sup>      (4) 16<sup>th</sup>  
 (5) None of these
35. In a queue, Shikhar is ninth from the back. Arun's place is eighth from the front. Nikhil is standing between the two. What could be the minimum number of boys standing in the queue?
- (1) 8      (2) 10      (3) 12  
 (4) 14      (5) None of these
36. In a row of 21 girls, when Monika was shifted by 4 places towards the right, she became 12<sup>th</sup> from the left end. What was her earlier position from the right end of the row?
- (1) 9<sup>th</sup>      (2) 10<sup>th</sup>      (3) 11<sup>th</sup>  
 (4) 12<sup>th</sup>      (5) 14<sup>th</sup>
37. In a row of girls facing North, Reena is 10<sup>th</sup> to the left of Pallavi who is 21<sup>st</sup> from the right end. If Malini who is 17<sup>th</sup> from the left end, is fourth to the right of Reena, how many girls are there in the row?
- (1) 34      (2) 43      (3) 44  
 (4) Data inadequate      (5) None of these
38. George is fifth from the left and Peter is twelfth from the right end in a row of children. If Peter shifts by three places towards George, he becomes tenth from the left end. How many children are there in the row?
- (1) 21      (2) 22      (3) 23  
 (4) 24      (5) 25
39. In a row of boys, if A who is tenth from the left and B who is ninth from the right interchange their positions, A becomes fifteenth from the left. How many boys are there in the row?
- (1) 23      (2) 27      (3) 28  
 (4) 31      (5) None of these
40. Students line up in a queue in which Ashish stands fifteenth from the left and Sachin is seventh from the right. If they interchange their places, Sachin would be fifteenth from the right. How many students are there in the queue?
- (1) 21      (2) 22      (3) 29  
 (4) None of these      (5) All of the above
41. In a row of children, Deepti is ninth from the left and Kashish is thirteenth from the right. They exchange their positions and then Deepti becomes seventeenth from the left. Find the new position of Kashish from the right end of the row.
- (1) 20      (2) 21      (3) 27  
 (4) 31      (5) None of these

42. In a row of girls, Rita and Monika occupy the ninth place from the right end and tenth place from the left end, respectively. If they interchange their places, then Rita and Monika occupy seventeenth place from the right and eighteenth place from the left respectively. How many girls are there in the row?
- (1) 25      (2) 26      (3) 27  
 (4) Data inadequate      (5) None of these
43. In a row of 40 boys Satish was shifted 10 places to the right of Rohan and Kewal was shifted 10 places to the left of Vilas. If Vilas was twenty-sixth from the left and there were three boys between Kewal and Satish after shifting, what was the position of Rohan in the row?
- (1) 10<sup>th</sup> from the right end  
 (2) 10<sup>th</sup> from the left end  
 (3) 39<sup>th</sup> from the right end  
 (4) Data inadequate  
 (5) None of these
44. In a row of children, Harish is eleventh from the left and Mangesh is seventeenth from the right. When they interchange their places, Harish will be thirteenth from the left. Which of the following will be the new position of Mangesh from the right?
- (1) Eleventh      (2) Twenty-first  
 (3) Nineteenth      (4) Twenty-ninth  
 (5) None of these
45. In a row of girls, Kamala is tenth from the left and Vimla is twelfth from the right. When they exchange their places, Kamala is sixteenth from the left. What is the new position of Vimla from the right?
- (1) 18<sup>th</sup>      (2) 22<sup>nd</sup>      (3) 26<sup>th</sup>  
 (4) 28<sup>th</sup>      (5) None of these
46. Nisha is taller than Suja. Nina is taller than Nisha. Nila is taller than Nina. Misha is the tallest of all. If they stand according to their height, who will be in the middle?
- (1) Nisha      (2) Nina      (3) Suja  
 (4) Nila      (5) None of these
- Directions (47 - 50): Read the following information to answer these questions.**
- Consider a group comprising of 4 students — Reena, Beena, Meena and Neena, who stand in a row. Reena and Beena stand in sixth and seventh positions respectively from the left. Meena and Neena stand in the fourth and fifth positions respectively from the right. When Beena and Meena exchange their positions, then Beena will be fifteenth from the left.
47. Originally, Neena's position from the left is
- (1) 5      (2) 13      (3) 14  
 (4) 16      (5) None of these
48. Reena's position from the right is
- (1) 6      (2) 13      (3) 14  
 (4) 18      (5) None of these
49. If Neena and Reena also exchange their positions between themselves, then after the exchange, Neena's position from the left will be
- (1) 6      (2) 10      (3) 12  
 (4) None of these      (5) All the above
50. After exchange of positions between Beena and Meena, Meena's positions from the right is
- (1) 5      (2) 10      (3) 12  
 (4) None of these      (5) All the above

**Answer with Explanations:**

- 1; Number of students behind Nitin in rank =  $(49 - 18) = 31$ .  
 So, Nitin is 32<sup>nd</sup> from the last.
- 2; Number of students behind Manoj in rank =  $(31 - 7) = 24$ .  
 So, Manoj is 25<sup>th</sup> from the bottom.  
 Similarly, number of students behind Sachin in rank =  $(31 - 11) = 20$ .  
 So, Sachin is 21st from the bottom.
- 3; Total number children in the row =  $12 + 18 - 1 = 29$   
 Thus, there are  $29 - 13 = 16$  children to the right of Mohan.
- 4; Total number of boys in the row =  $13 + 11 - 1 = 23$   
 Position of D from the left =  $23 - 17 + 1 = 7^{\text{th}}$
- 5; Mohan's position from the right end = 12<sup>th</sup>  
 Pratap's position from the right end = 15<sup>th</sup>  
 Number of boys between Pratap and Mohan =  $15 - 12 - 1 = 2$
- 6; From right end  
 (i) Kashi's present position : 27<sup>th</sup>  
 (ii) Kashi's former position : 17<sup>th</sup>  
 Now, total number of students between