

REASONING ABILITY

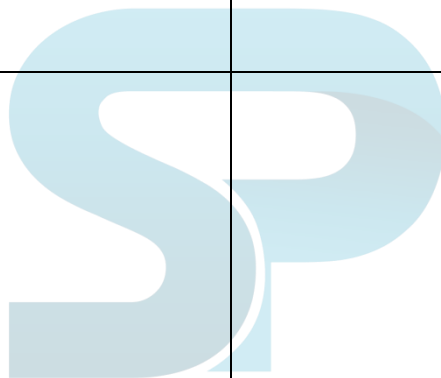
Seating Arrangement
Important Questions



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Reasoning Ability - Seating Arrangement

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

Certain number of people was sitting in a circle facing towards the Centre. Some of the person's arrangements are known. A was sitting fourth to the left of B. J was sitting seventh to the right of A. Number of person sitting between A and B was same as the number of persons sitting between A and F. J was the neighbor of D who sits at the seventh position from F (either left or right of F). Number of person sitting between F and M was same as the number of persons sitting between M and D. K was the neighbor of J. M is not the immediate neighbor of A.

1. What is the position of M with respect to A?

- A. Third to the left
- B. Immediate right
- C. Seventh to the right
- D. Second to the right
- E. Fifth to the right

2. How many persons were sitting in a circle?

- A. 07
- B. 08
- C. 16
- D. 19
- E. 21

3. How many known persons were sitting between A and J when counted from left of A?

- A. Three
- B. Four
- C. Five
- D. Two
- E. Six

4. Who sits second to the right of B?

- A. K
- B. F
- C. A
- D. J
- E. M



5. If C sits exactly between A and K when counted from right of A, then what is the position of C with respect to D?

- A. Fifth to the left
- B. Fourteenth to the right
- C. Fifth to the left
- D. Sixteenth to the right
- E. Either (a) or (b)

Direction (6-10): study the given information carefully and the answer the following question below.

A certain number of people sitting in a south facing row. Only some people arrangements are known. Only one person sits between I and M. L sits fourth to the left of I. Five person sits between L and V. Four people sit between V and Q. Not more than six people sits to the right of V. Number of person sits between I and Q is as same as between number of person sits between M and T. M sits right of T. Three peoples it between T and W. W sits adjacent to L.

6. If B sits Exactly between V and I, then what is the position of L with respect to B?

- A. Second to the left
- B. Fifth to the left
- C. Fourth to the right
- D. Fifth to the right
- E. None of these

7. Who sits third to the right of W?

- A. None of them sits third to right of W
- B. M
- C. I
- D. L
- E. T

8. How many persons are sitting in a row?

- A. 16
- B. 20
- C. 18
- D. 17
- E. None of these





9. Four of the five among the following are similar in such a way to form a group, which one of the following doesn't, belongs to the group?

- A. T
- B. M
- C. L
- D. W
- E. V

10. Who among the following sits at the extreme ends of the row?

- A. M
- B. L
- C. I
- D. W
- E. None of these

Direction (11-15): Read the following information carefully and answer the questions given below.

Twelve persons A, B, C, D, E, F, P, Q, R, S, T and U are sitting in two parallel rows with equidistance from each other. In Row-1, A, B, C, D, E and F are sitting and all of them are facing south and in Row-2, P, Q, R, S, T and U are sitting and all of them are facing north but not necessary in the same order.

E sits second to the left of the one who faces P and either one of them sits at the extreme ends of the rows. Two persons are sitting between P and Q. F faces one of the immediate neighbors of Q. U faces the person the one who sits to the immediate right of A. Two persons are sitting between U and S. As many persons sitting to the right of T is same as the number of persons sitting to the right of C and neither of them sits at the extreme ends of the rows. R is not an immediate neighbor of S. C does not face Q. B sits one of the places to the left of E.

11. Who sits diagonally opposite to S?

- A. B
- B. A
- C. D
- D. F
- E. C

12. How many persons are sitting between T and the one who faces D?

- A. None
- B. One
- C. Two
- D. Three
- E. Four



13. Four of the following five are alike in a certain way and hence form a group. Which one of the following that does not belong to the group?

- A. Q
- B. P
- C. D
- D. S
- E. B

14. Which of the following statements is true?

- A. Only two persons are sitting to the right of A
- B. U faces E
- C. Q sits exactly between T and R
- D. C sits at one of the extreme ends of the row
- E. None is true

15. If R is related to A and F is related to U in a certain way. Then, Q is related to which of the following?

- A. C
- B. R
- C. E
- D. B
- E. F



Direction (16-20): Read the following information carefully and answer the questions given below.

Eight persons P, Q, R, S, T, U, V and W are sitting in a square table such that four of them are sitting at the corners and remaining are sitting at the middle of the each side. The persons who are sitting at the corners are facing towards centre of the table and the persons who are sitting at the middle of the sides are facing away from the centre of the table.

R sits third to the left of T, who does not sit at one of the middle side of the table. Only one person sits between R and P (Either from right or left). Q sits second to the left of U and not an immediate neighbor of R. W sits opposite to S, who is not an immediate neighbor of P. More than one person sits between W and R (Either from left or right).

16. Who among the following persons sits third to the right of the one who sits to the immediate left of Q?

- A. S
- B. R
- C. Q
- D. P
- E. T



17. How many persons are sitting between P and T, when counted from left of T?

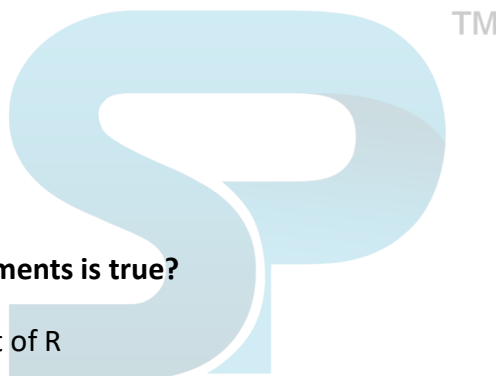
- A. Two
- B. One
- C. Four
- D. Three
- E. None of these

18. Four of the following five are alike in a certain way and hence form a group. Which one of the following that does not belong to the group?

- A. V
- B. P
- C. U
- D. R
- E. Q

19. If R is related to Q and U is related to P in a certain way. Then, V is related to which of the following?

- A. W
- B. S
- C. R
- D. U
- E. T



20. Which of the following statements is true?

- A. U sits second to the right of R
- B. V sits at one of the corners
- C. P sits opposite to T
- D. W faces outside from the centre
- E. None is true

Direction (21-25): Read the following information carefully and answer the questions given below.

A certain number of people sitting in the linear row facing north. Only three people sit between A and R. Only four people sit between K and W. Only five people sit between R and K. T sits third to the right of W. Only six people sit between R and Y. Not more than three people sit between K and Y. More than four people are between T and Y. Q sits third to the right of Y. None of them sits between Q and W. J sits eighth to the left of K. Not more than three persons sit between A and J.



21. How many people are sitting in the linear row?

- A. Nineteen
- B. Twenty
- C. Twenty One
- D. Twenty Two
- E. None of these

22. How many people sit between A and J?

- A. Seven
- B. Three
- C. Ten
- D. One
- E. None of these

23. If three people sit between W and H, then which of the following statement is definitely true?

- A. Three people sit between T and H.
- B. W sits fourth to the right of H.
- C. More than six people sit between Q and H.
- D. More than five people sit between Y and H.
- E. None of these

24. How many people sit between Y and W?

- A. Sixteen
- B. Three
- C. Ten
- D. Eight
- E. None of these

25. How many people sit to the left of K?

- A. Ten
- B. Eight
- C. Sixteen
- D. Thirteen
- E. None of these

Direction (26-30): Study following information carefully and answer the questions given below.

Seven friends- S, T, U, V, W, X and Y are sitting in a straight line. Some of them facing north and some of them are facing south.

Y faces north. Only two persons sit to the left of V. S sits second to the left of W. Only one person sits between S and U. X sits third to the left of U. The immediate neighbours of S face the opposite directions. T is not an immediate neighbour of W. The immediate neighbours of U face same the



directions. Only two persons sit between V and W. S faces the same direction as U. W sits to the immediate left of Y.

26. How many persons sit between Y and T?

- A. One
- B. Two
- C. Three
- D. Four
- E. None of these

27. Four of the following five are alike in certain way and thus form a group as per the given arrangement. Which of the following does not belong to that group?

- A. X
- B. T
- C. W
- D. Y
- E. V

28. What is the position of V with respect to T?

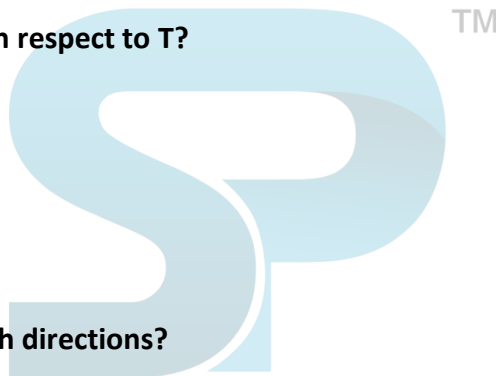
- A. Second to the left
- B. Fourth to the right
- C. Immediate left
- D. Second to the right
- E. None of these

29. How many persons face south directions?

- A. Two
- B. Three
- C. Four
- D. Five
- E. None of these

30. Which of the following statement is correct?

- A. W sits at the extreme ends of the line
- B. T faces south and sits to the immediate right of U
- C. Only three person sits between Y and the one who sits second to the right of T
- D. W faces north and sits second to the right of the one who sits immediate left of T.
- E. None of these





Direction (31-35): Read the following information carefully and answer the questions given below.

Eight persons are sitting in a circular table and all of them are facing away from the centre of the table. V sits third to the right of M. Only one person sits between V and N (Either from right or left from V). K sits second to the left of G, who is not an immediate neighbour of M. As many persons are sitting between N and S is same as the number of persons sitting between R and S. T sits to the immediate right of R. T does not sit opposite to K.

31. Who among the following sits second to the right of S?

- A. R
- B. T
- C. N
- D. G
- E. M

32. How many persons are sitting between G and V, when counted from left of G?

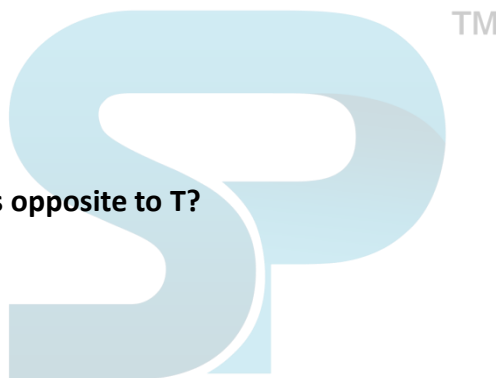
- A. Three
- B. Four
- C. One
- D. Two
- E. No one

33. Who among the following sits opposite to T?

- A. V
- B. S
- C. K
- D. G
- E. N

34. Four of the following five are alike in a certain way and hence form a group. Which one of the following that does not belong to the group?

- A. TG
- B. KM
- C. MN
- D. VS
- E. NR





35. If all the persons in the final arrangement are made to sit in the alphabetical order as in the English alphabetical series from G in clockwise direction, then how many of them remains their original position (Excluding G)?

- A. None
- B. One
- C. Two
- D. Three
- E. More than three

Direction (36-40): study the given information carefully and the answer the following question below.

Ten persons are sitting in a parallel row. In Row 1 A, B, C, D and E are sitting in Row 1 facing north. In Row 2 P, Q, R, S and T are sitting in Row 2 facing south. The person in row 1 exactly faces the person in row 2.

R doesn't sit opposite to C. A sits second from the extreme end. Only one person sits between one who faces A and Q. B is not an immediate neighbour of A and doesn't sit opposite to Q. E sits second to the left of B. T doesn't face E and never sits at extreme ends. S is not an immediate neighbour of T. C doesn't sit opposite to Q.

36. Four of the five among the following are similar in the arrangement to form a group, which one of the following doesn't, belongs to the group?

- A. CA
- B. ED
- C. SQ
- D. BD
- E. TP

37. What is the position of A with respect to B?

- A. Third to the left
- B. Third to the right
- C. Second to the left
- D. Immediate left
- E. None of these

38. Which of the following statement is not true?

- A. A sits to the immediate left of E
- B. The one who sits opposite to D sits second to the left of T
- C. C and B doesn't sit at the extreme ends
- D. Q is the immediate neighbor of R and S
- E. T sits opposite to A



39. Who sits second to the right of R?

- A. The one who sits opposite to A
- B. S
- C. None of these
- D. Q
- E. P

40. How many person sits between D and B?

- A. One
- B. Two
- C. Three
- D. None
- E. Cannot be determined

Direction (41-45): Study following information carefully and answer the questions given below.

Eight friends – Sunder, Satya, Mark, Cook, Putin, Obama, Trump and Nitish are sitting around the circular table facing center, but not necessarily in the same order. Putin and Obama are not immediate neighbors. Only two persons sit between Sunder and Trump. Obama is not an immediate neighbor of Trump and Cook. Putin is not an immediate neighbor of Mark and Trump. Sunder sits second to the left of Cook. Nitish is not an immediate neighbor of Putin. Only three persons sit between Mark and Obama. Satya sits not opposite of Cook. Trump is not an immediate neighbor of Putin.

41. What is the position of Cook with respect to Putin?

- A. Third to the right
- B. Second to the right
- C. Immediate right
- D. Fourth to the right
- E. None of these

42. How many persons sit between the one who sits the second to the left of Cook and Mark, when counted from left of Mark?

- A. One
- B. Two
- C. Three
- D. No one
- E. None of these



43. Which of the following statement is correct?

- A. Only one person sits between Nitish and the one who sits to the immediate left of Sunder
- B. Cook sits to the immediate left of Trump.
- C. Only three persons sit between Satya and Sunder
- D. Sunder and Mark is an immediate neighbors
- E. None of these

44. What is the position of the one who sits second to the left of Sunder with respect to Trump?

- A. Immediate right
- B. Fourth to the right
- C. Second to the right
- D. Third to the left
- E. None of these

45. Which of the following statement is correct?

- A. Nitish sits to the immediate left of Obama
- B. Cook is an immediate neighbor of Satya
- C. Only two persons sit between Mark and Nitish, when counted from left of Nitish
- D. Trump is an immediate neighbor of Cook
- E. Both a and c

Direction (46-50): Read the following information carefully and answer the questions given below.

Eight people I, J, K, L, M, N, O and P are sitting in a rectangular table. Only three persons are sitting in the longer side of the rectangle. The people sits at longer side of table faces outside the table, while the people sits at smaller side of the table faces inside the table. All the information is not necessary to be in the same order.

N sits second to the left of M. Only two persons sit between M and P, who is not an immediate neighbor of N. J sits immediate right of L. P sits opposite to I. Neither K nor L is an immediate neighbor of P. J sits second to the right of O and both are facing same direction. J does not sit opposite to O.

46. Name the person who sits opposite to J?

- A. M
- B. O
- C. N
- D. I
- E. None of these



47. Who sits second to the left of P?

- A. L
- B. K
- C. J
- D. O
- E. None of these

48. If all the people are made to sit in alphabetical order in clockwise direction from I, then how many of them remain in their original position?

- A. One
- B. Two
- C. Three
- D. More than Three
- E. None of these

49. Name the person who sits second to the right of L?

- A. L
- B. K
- C. J
- D. O
- E. None of these

50. Who sits fourth to the left of J?

- A. L
- B. M
- C. J
- D. O
- E. None of these

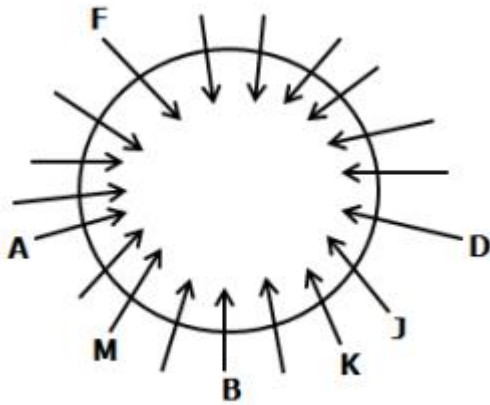




Answers and Explanations

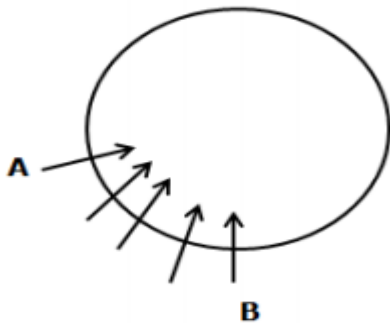
1. Answer: D

Explanation (1-5):

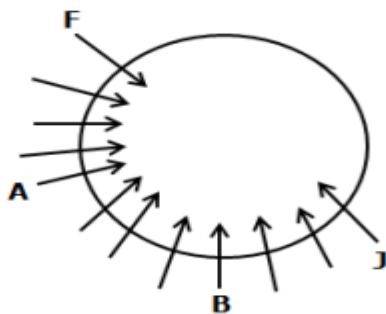


A certain number of people were sitting in a circle facing center.

- A was sitting fourth to the left of B.

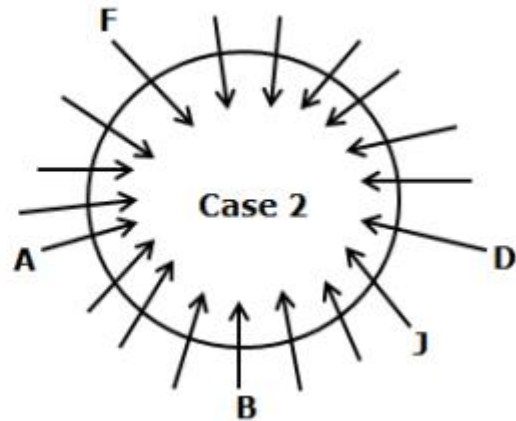
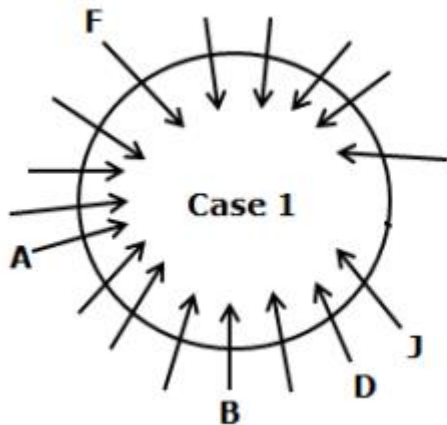


- J was sitting seventh to the right of A.
- Number of person sitting between A and B was same as the number of persons sitting between A and F.

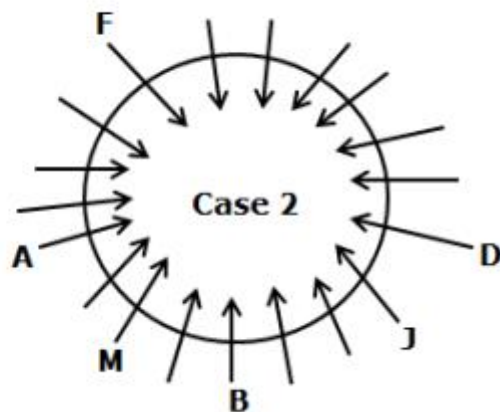
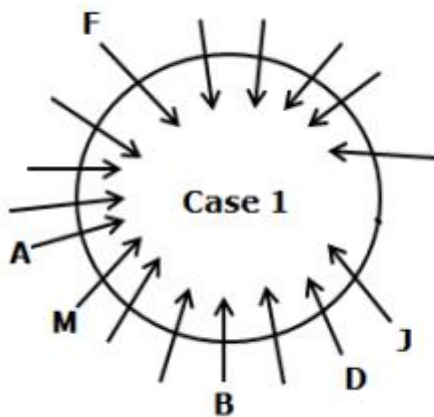




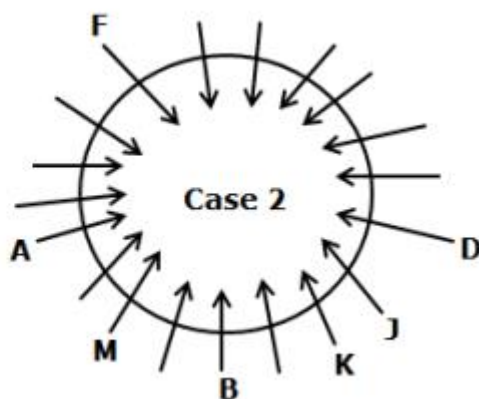
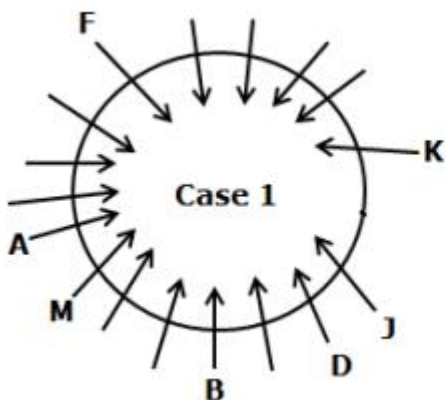
J was the neighbor of D who sits at the seventh position from F (either left or right of F).



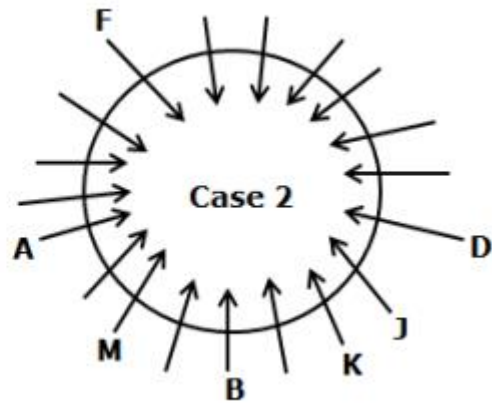
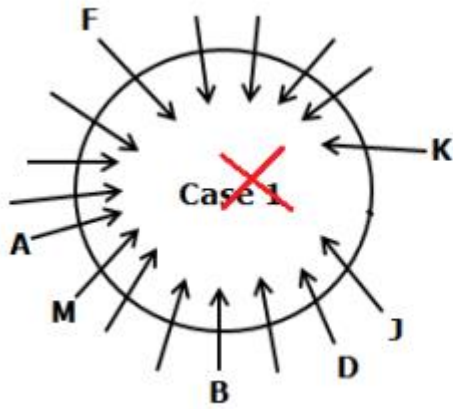
- Number of person sitting between F and M was same as the number of persons sitting between M and D.



- K was the neighbor of J.



- M is not the immediate neighbor of A. From this statement case 1 is eliminated because M and A are immediate neighbors.



2. Answer: D

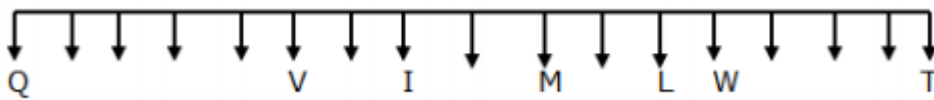
3. Answer: D

4. Answer: A

5. Answer: E

6. Answer: B

Explanation (6-10):

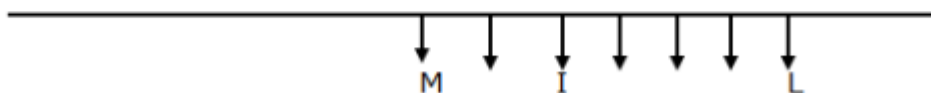


- Only one person sits between I and M.
- L sits fourth to the left of I.

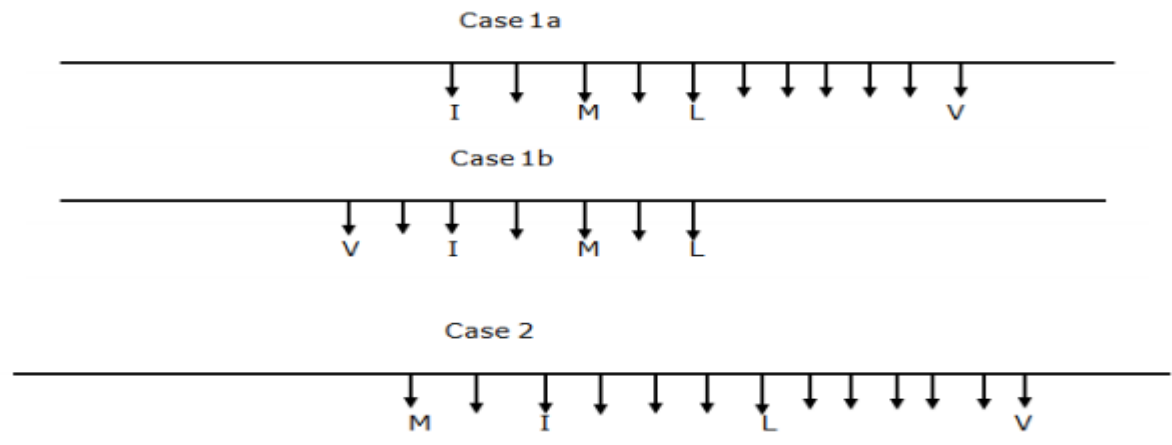
Case 1



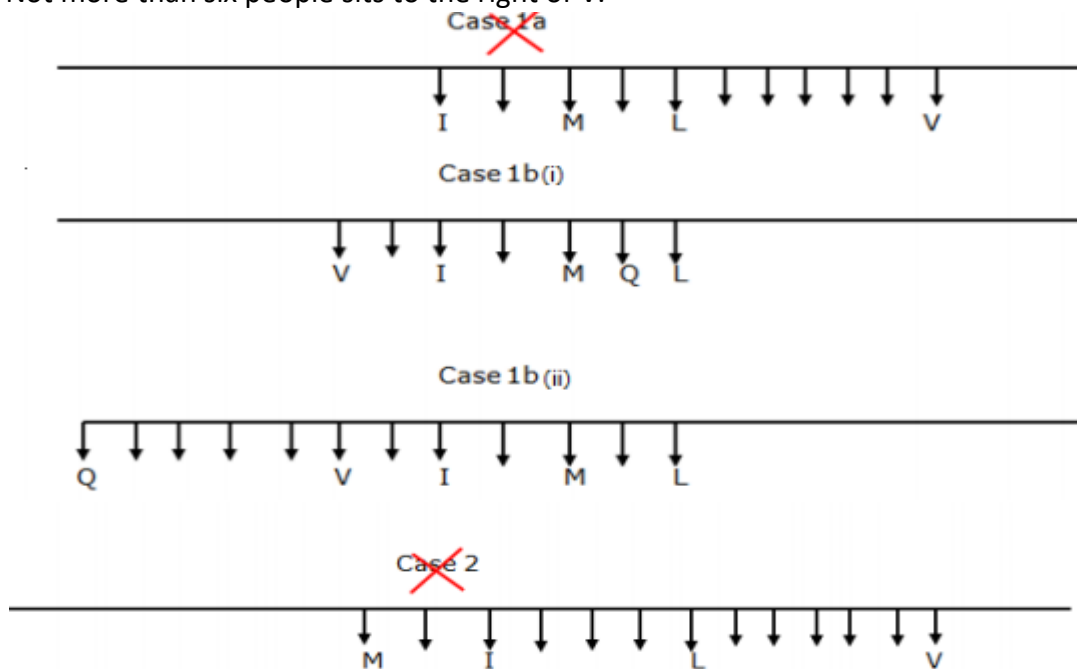
Case 2



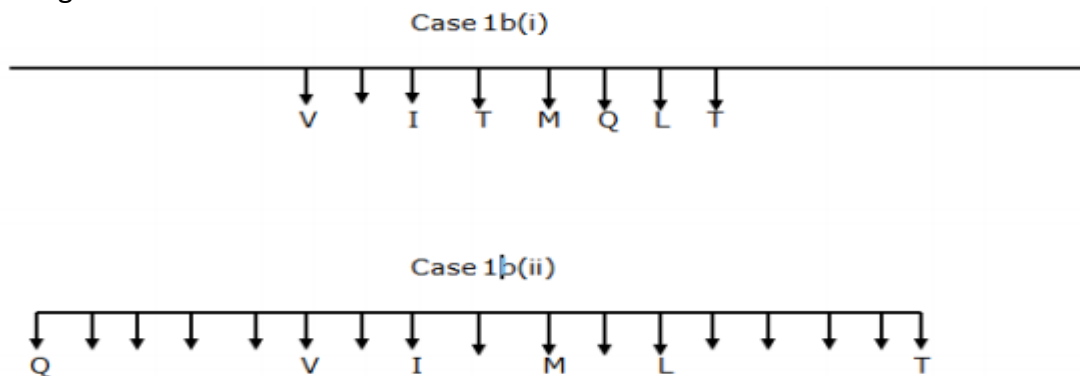
- Five people sit between L and V.



- Four people sit between V and Q.
- Not more than six people sit to the right of V.

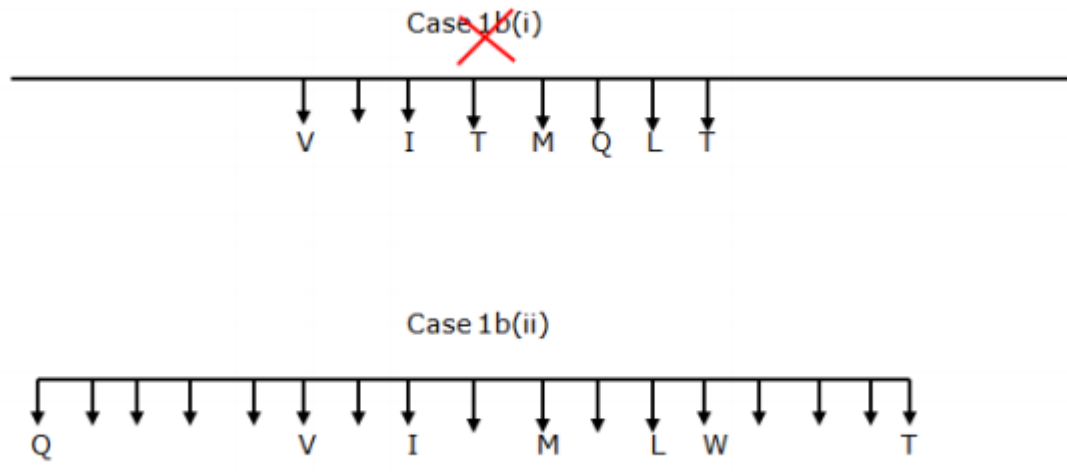


- Number of person sits between I and Q is as same as between number of person sits between M and T.
- M sits right of T.





- Three people sit between T and W.
- W sits adjacent to L.



7. Answer: B

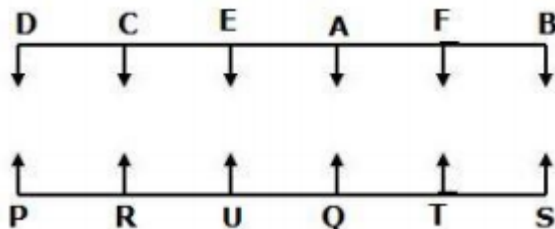
8. Answer: D

9. Answer: A

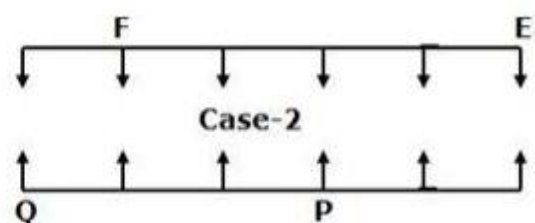
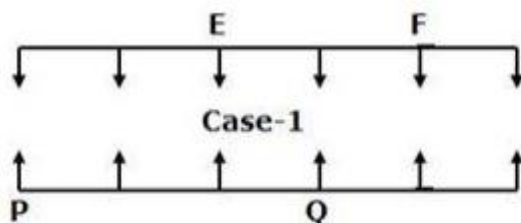
10. Answer: E

11. Answer: C

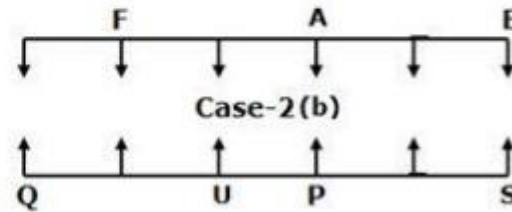
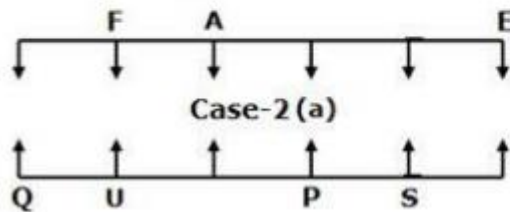
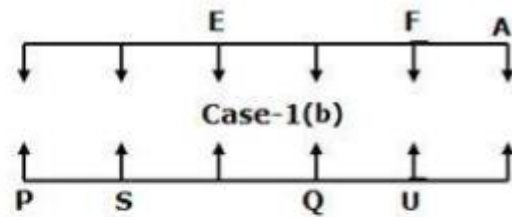
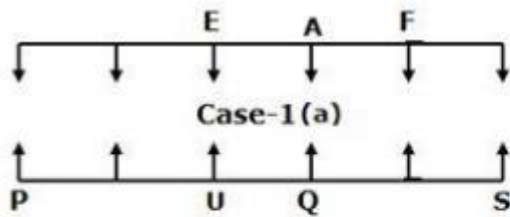
Explanation (11-15):



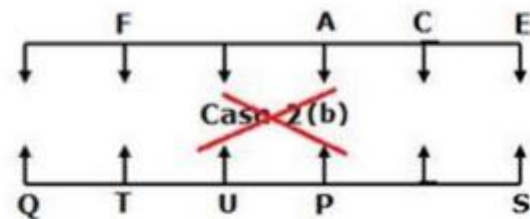
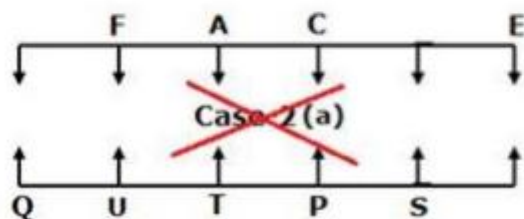
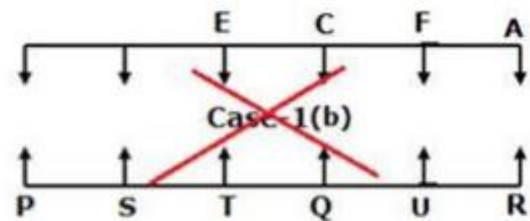
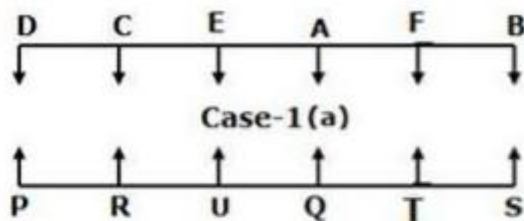
- E sits second to the left of the one who faces P and either one of them sits at the extreme ends of the rows. Two persons are sitting between P and Q. F faces one of the immediate neighbors of Q.



- U faces the person the one who sits to the immediate right of A. Two persons are sitting between U and S.



- As many persons sitting to the right of T is same as the number of persons sitting to the right of C and neither of them sits at the extreme ends of the rows. R is not an immediate neighbor of S. C does not face Q.
- So, Case-1(b), Case-2(a) and Case-2(b) will be dropped.
- B sits one of the places to the left of E.



12. Answer: D

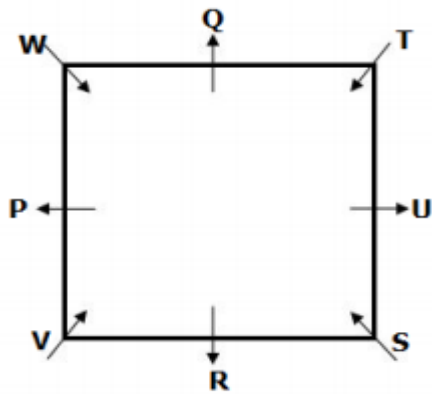
13. Answer: A

14. Answer: B

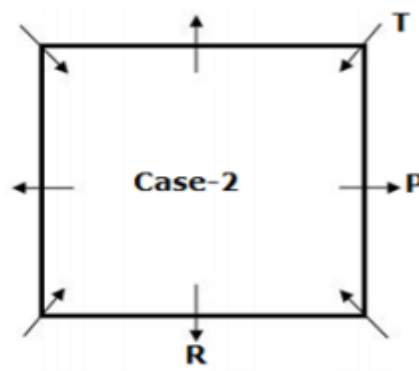
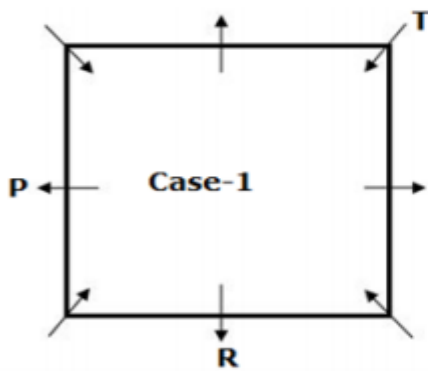
15. Answer: D

16. Answer: B

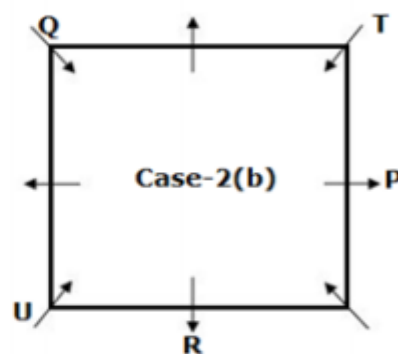
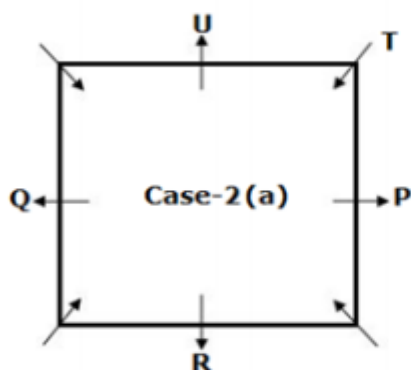
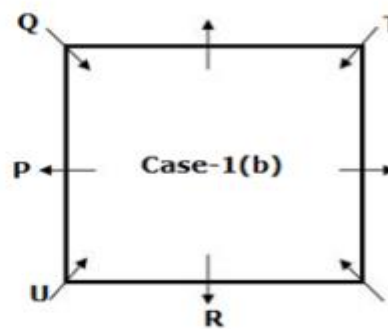
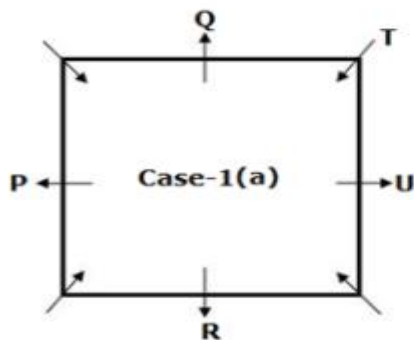
Explanation (16-20):



R sits third to the left of T, who does not sit at one of the middle of the sides. Only one person sits between R and P (Either from right or left).



Q sits second to the left of U and not an immediate neighbour of R.

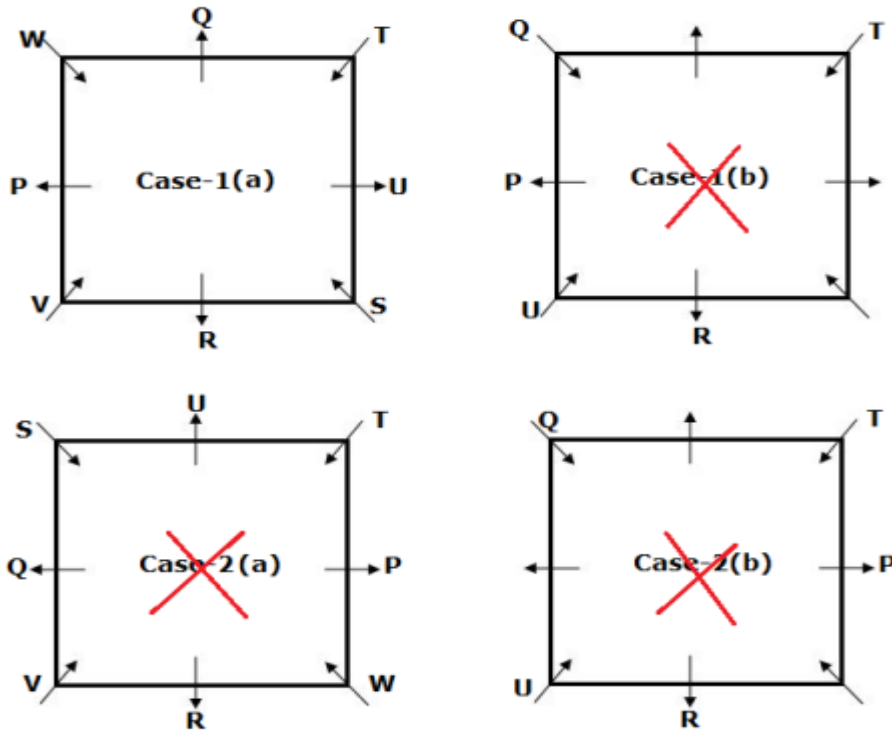




W sits opposite to S, who is not an immediate neighbor of P.

More than one person sits between W and R (Either from left or right).

So, Case-1(b), Case-2(a) and Case-2(b) will be dropped.



17. Answer: C

18. Answer: A

19. Answer: E

20. Answer: B

21. Answer: A

Explanation (21-25):

A _ J _ R _ _ _ _ K Y _ _ Q W _ _ T

i). Only three people sit between A and R.

ii). Only six people sit between R and Y.

Case (i): A _ _ _ R _ _ _ _ Y

Case (ii): Y _ _ A _ _ _ R

Case (iii): Y _ _ _ _ _ R _ _ A



Case (iv): R _ _ _ A _ _ _ Y

iii). Only five people sit between R and K.

iv). Only four people sit between K and W.

v). T sits third to the right of W.

vi). Not more than three people sit between K and Y

Case (i): A _ _ _ R _ _ _ K Y _ _ _ W _ _ T

Case (ii) a: Y K _ _ A _ _ W R _ _ T

Case (ii) b: W _ _ TY K _ _ A _ _ R

Case (iii) a: Y K _ _ _ W R _ T _ A

Case (iii) b: W _ _ TY K _ _ _ R _ _ A

Case (iv) a: R _ _ _ A _ K Y _ _ W _ _ T

Case (iv) b: R W _ _ A _ K Y ? does not follow condition (v)

vii). More than four people are between T and Y.

viii). Q sits third to the right of Y.

ix). None of them sits between Q and W.

x). Not more than three persons sit between A and J.

xi). J sits eighth to the left of K.

Case (i): A _ J _ R _ _ _ K Y _ _ Q W _ _ T

Case (ii) a: Y K _ _ A _ _ W R _ _ T ? does not follow condition (viii)

Case (ii) b: W _ _ TY K _ _ A _ _ R ? does not follow condition (vii)

Case (iii) a: Y K _ _ Q _ _ W R _ T _ A ? does not follow condition (ix)

Case (iii) b: W _ _ TY K _ _ _ R _ _ A ? does not follow condition (vii)

Case (iv) a: J _ R _ _ A _ K Y _ _ Q W _ _ T ? does not follow condition (x)

21. **Answer:** A

22. **Answer:** D

23. **Answer:** D



24. Answer: B

25. Answer: A

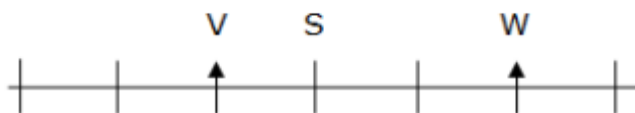
26. Answer: A

Explanation (26-30):

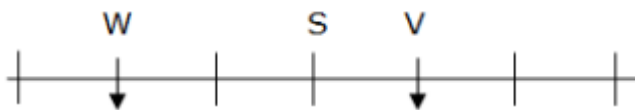


- Only two persons sit to the left of V.
- Only two persons sit between V and W.
- S sits second to the left of W.
- Now we have 2 Cases.

Case 1:

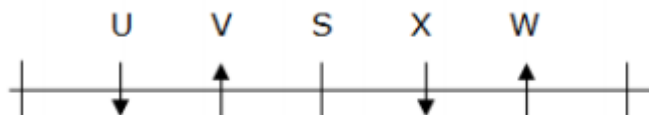


Case 2:

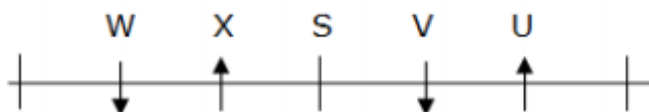


- The immediate neighbors of S face the opposite directions.
- Only one person sits between S and U.
- X sits third to the left of U.

Case 1:



Case 2:

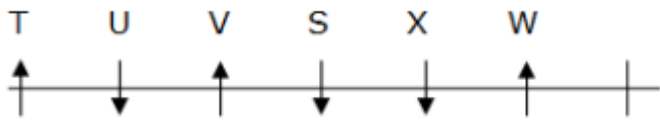


- T is not an immediate neighbor of W.

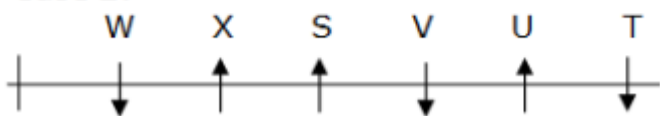


- The immediate neighbor of U faces same the directions.
- S faces the same direction as U.

Case 1:

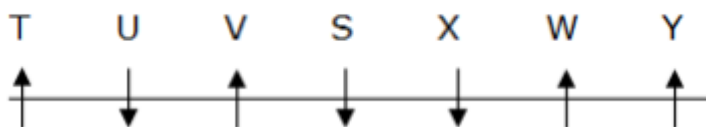


Case 2:



- W sits to the immediate left of Y.
- Y faces north.
- From the above condition Case 2 was dropped.
- So the final arrangement is.

Case 1:



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27. Answer: A

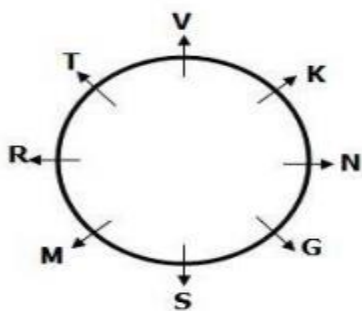
28. Answer: B

29. Answer: B

30. Answer: C

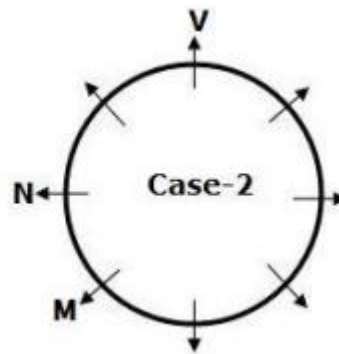
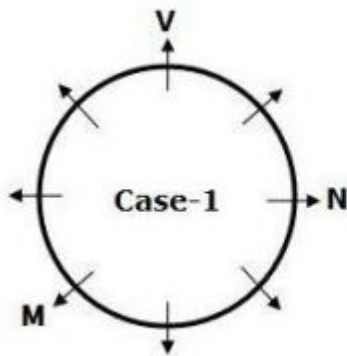
31. Answer: A

Explanation (31-35):

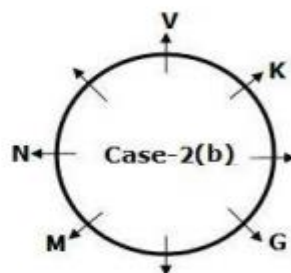
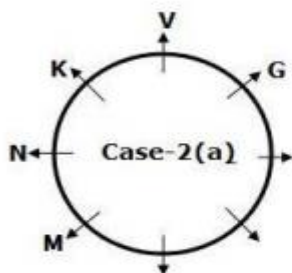
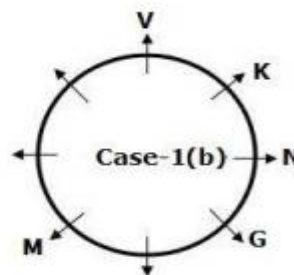
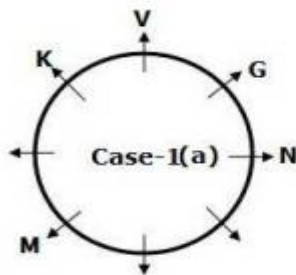




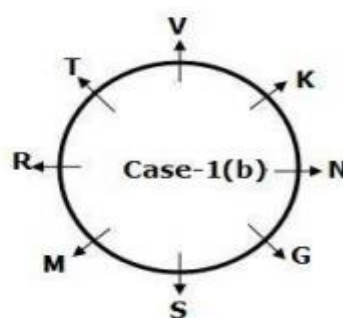
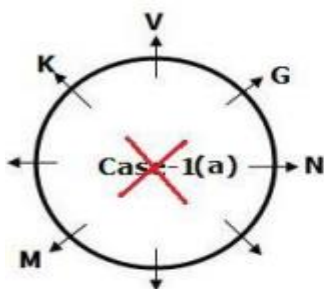
- V sits third to the right of M. Only one person sits between V and N (Either from right or left from V).



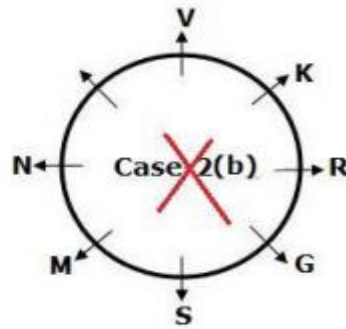
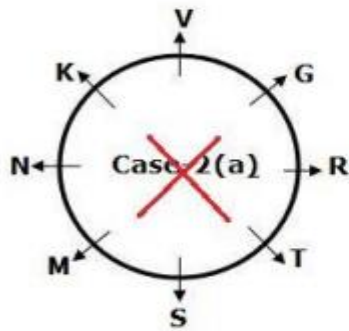
- K sits second to the left of G, who is not an immediate neighbor of M.



- As many persons are sitting between N and S is same as the number of persons sitting between R and
- S. T sits to the immediate right of R.
- So, Case-1(a) and Case-2(b) will be dropped.
- T does not sit opposite to K.
- So, Case-2(a) will be dropped.



•



32. Answer: D

33. Answer: D

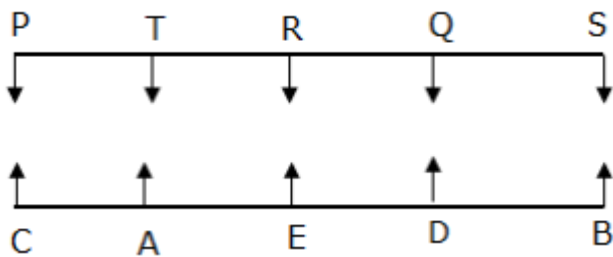
34. Answer: C

35. Answer: B

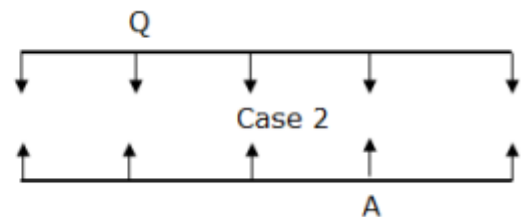
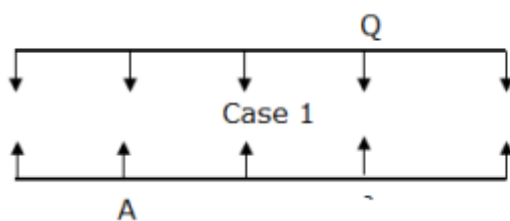
36. Answer: D

Explanation (36-40):

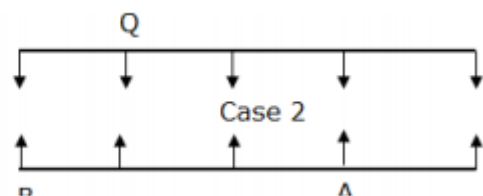
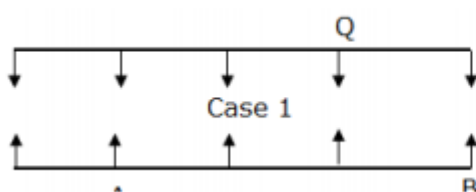
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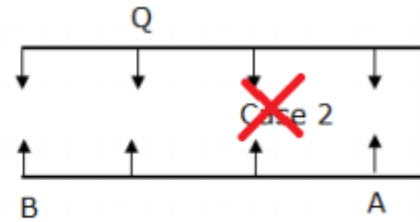
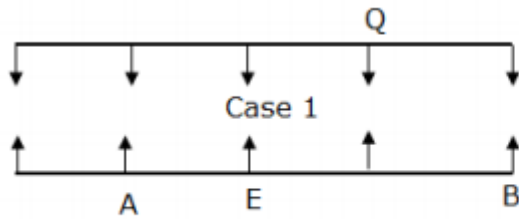
- A sits second from the extreme end.
- Only one person sits between one who faces A and Q.



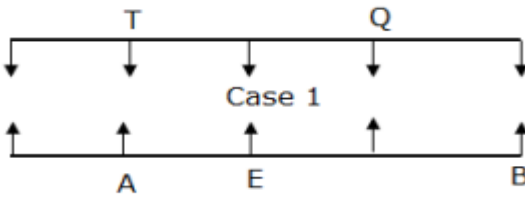
- B is not an immediate neighbor of A and doesn't sit opposite to Q.



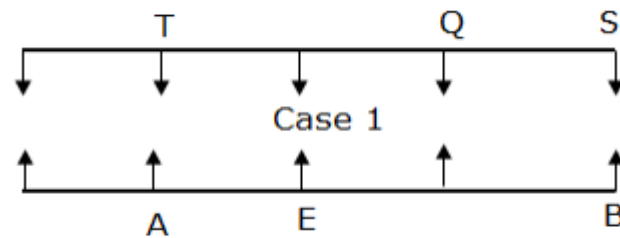
- E sits second to the left of B.



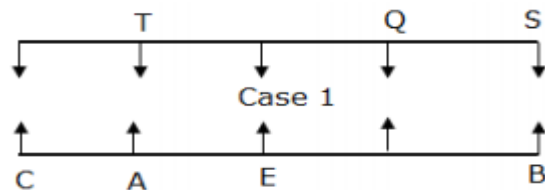
- T doesn't face E and never sits at extreme ends.



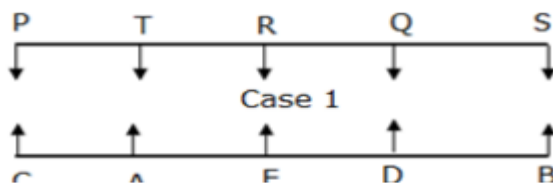
- S is not an immediate neighbor of T.



- C doesn't sit opposite to Q.



- R doesn't sit opposite to C.



37. Answer: A

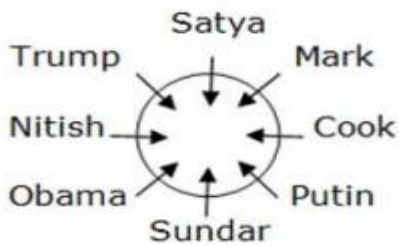
38. Answer: C

39. Answer: E

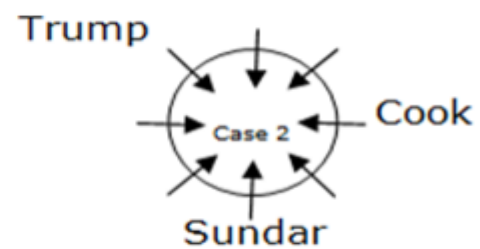
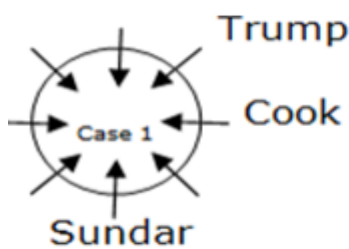
40. Answer: D

41. Answer: C

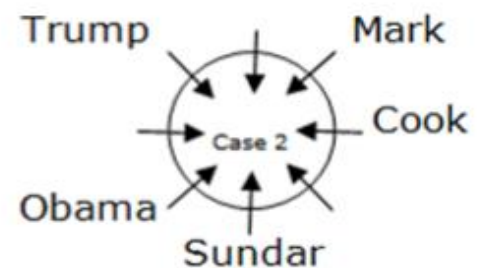
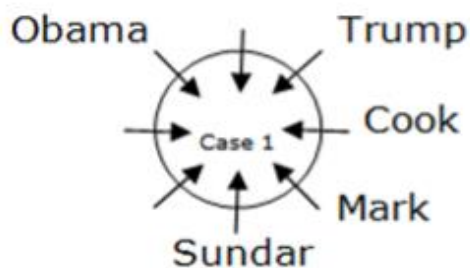
Explanation (41-45):



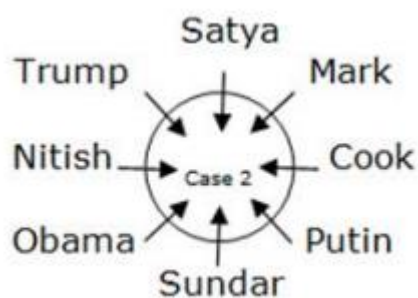
- Only two persons sit between Sunder and Trump.
- Sunder sits second to the left of Cook.
- Now we have 2 cases.



- Obama is not an immediate neighbor of Trump and Cook.
- Only three persons sit between Mark and Obama.



- Putin is not an immediate neighbor of Mark and Trump.
- Satya sits not opposite of Cook.
- Putin and Obama are not immediate neighbors.
- Nitish is not an immediate neighbor of Putin. Trump is not an immediate neighbor of Putin.
- From the above condition Case 1 was dropped.
- So the final arrangement is.





42. Answer: B

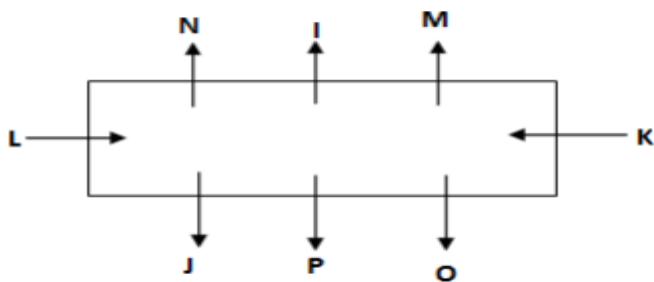
43. Answer: C

44. Answer: A

45. Answer: E

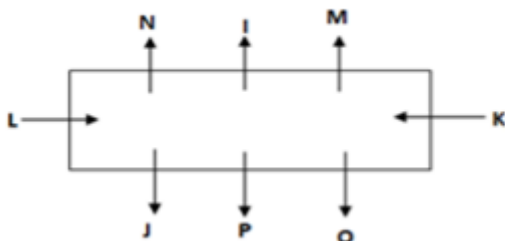
46. Answer: C

Explanation (46-50):



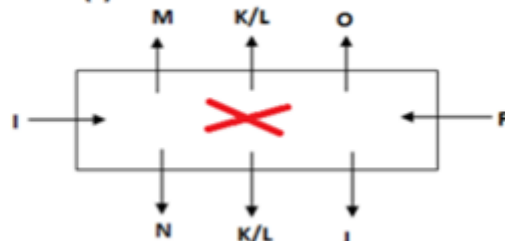
- i). N sits second to the left of M.
- ii). only two persons sit between M and P, who is not an immediate neighbor of N.
- iii). P sits opposite to I.
- iv). Neither K nor L is an immediate neighbor of P.
- v). J sits second to the right of O and both are facing same direction.
- vi). J does not sit opposite to O.
- vii). J sits immediate right of L.

Case(i)



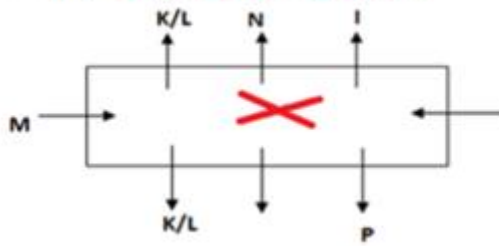
Case(ii)

Condition(vii) does not follow

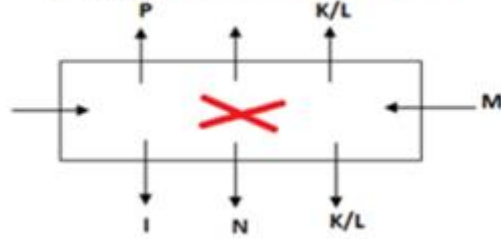




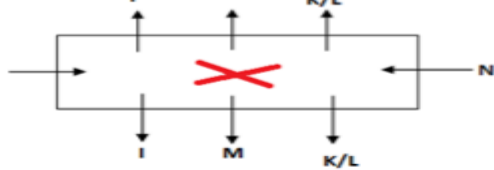
Case(iii) Condition(v) does not follows



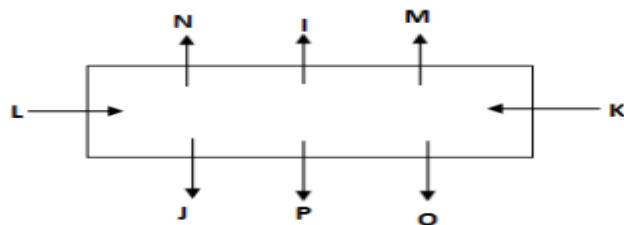
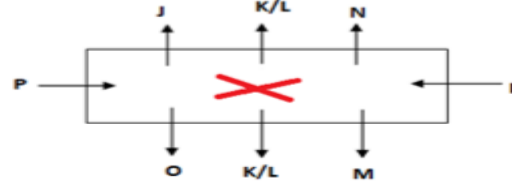
Case(iv) Condition(v) does not follows



Case(v) Condition(v) does not follows



Case(vi) Condition(vii) does not follows



47. Answer: B

48. Answer: A

49. Answer: E

50. Answer: B



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