

Circular Seating Single Variable for SBI PO Prelims



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Circular Seating Single Variable

Directions: 1-5) Answer the questions based on the information given below.

Nine persons P, Q, R, S, T, U, V, W and X sit around a circular table such that only five of them face outside while others face towards the centre.

T sits 2nd to the left of U. S and U face towards the centre.

One person sits between T and Q. P sits 4th to the right of Q. W sits 2nd to the left of S. V sits 2nd to the left of R, who doesn't face same direction as Q. X doesn't sit adjacent to W. Immediate neighbors of V face opposite direction to V. W doesn't sit with U.

1) Who sits 3rd to the right of T?

- a. R
- b. P
- c. V
- d. X
- e. None of the above

2) What is the position of P with respect to W?

- a. 3rd to the left
- b. 4th to the right
- c. 3rd to the right
- d. 4th to the left



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e. None of the above

3) ___ and ___ sit adjacent to V.

a. Q, W

b. P, R

c. S, U

d. P, X

e. None of the above

4) Who among the following doesn't face same direction as T?

I. V

II. U

III. Q

a. Only I and II

b. Only II and III

c. Only I

d. Only III

e. Only II

5) How many persons sit between S and V, if counted from the right of V?

a. Two

b. Four

c. Five

d. Six

e. None of the above

Directions: 6-10) Answer the questions based on the information given below.

Eight students H1, H2, H3, H4, H5, H6, H7 and H8 are sitting around the circular table in such a way that some of

them are facing away from the table and some are facing the center of the table. Any two adjacent persons are equidistant from each other.

H2 sits 3rd to the left of H3. H1 and H6 face the same direction. H4 and H2 face the opposite directions. Immediate neighbors of H6 face the opposite direction as of H1. H8 is an immediate neighbor of both H4 and H6, who faces towards the center. H3 sits third to the right of H6. Neither H7 nor H5 is an immediate neighbor of H3. H5 does not sit immediate right of H2. Immediate neighbors of H1 face the same direction. H1 sits second to the left of H2.

6) Which of the following statement is correct about H5?

a. H5 faces towards the center

b. H5 and H3 are immediate neighbors of each other

c. H6 and H8 are immediate neighbors of H5

d. H2 and H5 face the opposite direction with respect to each other

e. None is correct

7) Who sits second to the left of H1?

a. H3

b. H4

c. H8

d. H5

e. None of the above

8) Who sits opposite to the one who sits immediate left of H4?



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- a. H1
- b. H5
- c. H8
- d. H7
- e. H2

9) Who sits third to the left of H8?

- a. H1
- b. H3
- c. H4
- d. H2
- e. None of the above

10) How many persons are facing away from the center?

- a. Four
- b. Six
- c. Five
- d. Three
- e. Two

Directions: 11-15) Answer the questions based on the information given below.

Ten persons A, B, C, D, E, F, G, H, I and J sit around a circular table such that four of them face outside while others face towards the centre. No two persons with names starting with consecutive alphabets are immediate neighbors of each other.

E sits 4th to the left of B, who faces outside. F sits immediate left of C, who faces towards the centre. F and J face same direction as I. I doesn't face outside. Two

persons sit between I and A, who doesn't sit 2nd to the left of E. D and G sits immediate left of each other. I sits 3rd to the left of C. D and E face same direction. J doesn't sit adjacent to C. G and H face same direction as A.

11) Who sits 4th to the right of A?

- a. C
- b. B
- c. F
- d. H
- e. None of the above

12) What is the position of B with respect to H?

- a. 3rd to the left
- b. 2nd to the right
- c. 4th to the left
- d. 3rd to the right
- e. None of the above

13) Who sits opposite to C?

- a. G
- b. A
- c. C
- d. J
- e. None of the above

14) How many persons sit between I and J, if counted from the right of I?

- a. Three
- b. Four
- c. Six
- d. Five



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e. None of the above

15) Who sits immediate right of the person, who sits 3rd to the right of D?

a. B

b. F

c. E

d. C

e. None of the above

Directions: 16-20) Answer the questions based on the information given below:

Eight persons sit around a circular table. Some of them face towards the centre while others face outside the centre.

G sits opposite to the person, who sits to the immediate right of D. G faces towards the centre. Two persons sit between D and E. H sits 2nd to the left of C and to the immediate right of E. H and D face in opposite directions. E faces same direction as D. Person who sits 2nd to the right of H faces outside. F doesn't sit beside D. B sits 3rd to the right of F. A doesn't sit 2nd to the right of G. A and B face in opposite direction to that of E. C doesn't sit to the immediate left of E.

16) Who sits 5th to the right of B?

a. H

b. G

c. F

d. E

e. None of these

17) What is the position of A with respect to C?

a. 4th to the right

b. 3rd to the left

c. 3rd to the right

d. 5th to the right

e. None of these

18) Who among the following persons sit between F and G if counted from the left of F?

I. E

II. H

III. C

a. Both I and III

b. Both I and II

c. Only II

d. Both II and III

e. All I, II and III

19) ___ sits 2nd to the right of the person, who sits opposite to D.

a. F

b. B

c. C

d. E

e. None of these

20) Which among the following statements is/are true?

a. G sits 2nd to the left of B.

b. A sits 3rd to the left of H.

c. E sits 3rd to the right of C.

d. None is true.



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e. H sits 2nd to the right of F.

Direction: 21-25) Study the following information to answer the given questions:

Eight persons Akshat, Banner, Chinmay, Duke, Easha, Fiza, Ghatak and Haris sit around the circular table. Some of them face towards the centre while some face away from the centre. Not more than two adjacent persons face in same direction. Fiza faces towards the centre and does not sit adjacent to Ghatak. Akshat sits second to the right of Ghatak. Chinmay and Easha are immediate right of each other. Two persons sit between Haris and Ghatak. Duke and Akshat face in same direction. Both Ghatak and Haris face in same direction. Fiza and Duke do not face in same direction. Akshat and Haris are not adjacent to each other. Easha sits opposite to Banner, who does not sit adjacent to Akshat.

21) _____ sits second to the right of Easha.

- a. Fiza
- b. Haris
- c. Banner
- d. Ghatak
- e. Duke

22) Which of the following statements is true?

- a. Easha sits immediate right of Akshat
- b. Fiza sits opposite to Duke
- c. Banner sits second to the right of Duke
- d. Banner faces towards the centre
- e. Haris sits adjacent to Banner

23) Four are the same in a certain way thus forms a group. Which among the following does not belong to the group?

- a. Chinmay
- b. Akshat
- c. Fiza
- d. Duke
- e. Banner

24) Who sits third to the left of one, who sits immediate right of Banner?

- a. Easha
- b. Chinmay
- c. Akshat
- d. Haris
- e. Duke

25) Who sits opposite to Ghatak?

- a. Akshat
- b. Haris
- c. Easha
- d. Chinmay
- e. Banner

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

Eight people – S, T, U, V, W, X, Y and Z- are sitting around a circular table with equal distance between them. Some of them are facing the centre while others are facing outside (i.e. opposite to the centre).



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Z is sitting third to the left of Y. Both Y and Z are facing outside. V is not an immediate neighbour of Y and Z. X faces the just opposite direction of V (V is facing towards the centre, X would face outside the centre or vice versa). X is sitting second to the left of V. Both the immediate neighbours of U face just opposite direction of U. S is an immediate neighbour of Y. Both the immediate neighbour of V face just opposite direction of V. S faces towards the centre and she is an immediate neighbour of both Y and W. W faces towards the centre.

26) Who is sitting opposite to Y?

- a. T
- b. V
- c. Z
- d. U
- e. S

27) If Z and X interchange their position, then which among the following sits second to the left of S as per the new arrangement?

- a. X
- b. V
- c. Z
- d. U
- e. S

28) What is the position of W with respect to Y?

- a. Second to the right
- b. Second to the left
- c. Immediate left

- d. Immediate right
- e. Third to the right

29) Who among the following sits third to the left of X?

- a. T
- b. V
- c. Z
- d. U
- e. S

30) How many persons sit between T and S when counted from the right of T?

- a. One
- b. Five
- c. Two
- d. Four
- e. Three

Directions: 31-35) Read the given information carefully and answer the questions asked below.

Eight persons P, Q, R, S, T, U, V and W are sitting in a circular table and all of them are facing away from the centre of the table.

P sits third to the right of V. Only one person sits between P and W (either from the right or left from P). S sits second to the left of Q, who is not an immediate neighbour of V. The number of persons sitting between W and U is same as the number of persons sitting between R and U. T sits to the immediate right of R. T does not sit opposite to S.

31) Who is sitting fifth to the right of Q?



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- a. S
- b. R
- c. P
- d. T
- e. V

32) How many persons are sitting between R and W?

- a. 4
- b. 1
- c. 3
- d. 2
- e. 5

33) Who is sits second to the left of T?

- a. S
- b. V
- c. W
- d. R
- e. U

34) Which of the following is correct?

- a. S sits fourth to the right of R
- b. P sits fourth to the right of V
- c. U sits third to the right of W
- d. T sits third to the right of U
- e. None of these

35) Who is sits opposite to S?

- a. T
- b. U
- c. R
- d. V

e. Q

Directions: 36-40) Study the following information carefully and answer the question that follows:

Eight friends Raman, Raghav, Rishi, Rachit, Rahul, Ray, Raunak and Rohit are sitting on a circular table not necessarily in the same order. Each one of them is facing away from the centre.

Rachit is sitting second to the left of Rahul. Rohit is not an immediate neighbour of Rahul or Ray. Immediate neighbour of Raunak is Raman. One person is sitting between Rachit and Rishi. Raman is sitting third to the left of Rachit. Raghav and Rachit are not neighbours.

36) If Raunak exchanges his position with Ray then who is sitting third to the left of Raunak?

- a. Raman
- b. Rohit
- c. Raghav
- d. Rishi
- e. Rahul

37) Who is sitting third to the left of Rohit?

- a. Rahul
- b. Rachit
- c. Raghav
- d. Raman
- e. Raunak

38) Which of the following statements is definitely true?

I. Rahul is one of the neighbours of Ray.



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II. Ray is one of the neighbours of Raghav.

III. Rohit is one of the neighbours of Rishi.

- a. Both statement I and III are true.
- b. Both statement II and III are true.
- c. Both statement I and II are true.
- d. None is true.
- e. All are true.

39) How many persons are sitting between Rohit and Rahul counting from left of Rahul?

- a. 5
- b. 3
- c. 2
- d. 0
- e. 1

40) Who is sitting third to the left of Ray?

- a. Raunak
- b. Rishi
- c. Rachit
- d. Raghav
- e. Rahul

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

Seven persons A, B, C, D, E, F and G are sitting around the circular table but not necessarily in same order. Some of them are facing center and some of them are facing opposite to the center.

B sits fourth to the right of A. A is facing the center and B faces opposite to A. E sits second to the right of A and

both are facing same direction. D is immediate left of E. D sits third to the left of C. C and G are the immediate neighbour of each other and both are facing the same direction. F and G faces opposite direction. Immediate neighbours of A face opposite direction.

41) What is the position of E with respect to G?

- a. 3rd to the right
- b. Immediately left
- c. Immediately right
- d. 3rd to the Left
- e. 2nd to the left

42) Who among the following sits second to right of C?

- a. G
- b. A
- c. D
- d. E
- e. F

43) What is the position of D with respect to F?

- a. Immediate right
- b. Immediate left
- c. Fourth to the right
- d. Second to the left
- e. None of these

44) Who among the following sits exactly between G and B?

- a. C
- b. D
- c. E



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d. F

e. A

45) Which is the one that does not belong to that group?

a. A

b. D

c. E

d. F

e. C

Direction: 46-50) Study the information given below carefully and answer the questions that follow

Eight friends J, K, L, M, N, O, P and Q are sitting around a circular table with equal distance between them but not necessarily in the same order. Some of them are facing the centre with some facing the outside.

L sits second to the right of O and O faces the centre. Q sits to the immediate right of K. P and K face opposite direction. Immediate neighbour of P face the same direction. Neither M nor J is an immediate neighbour of O. P sits second to the right of L. N sits second to the right of J. Both Q and N face a direction opposite to that of L. Only two friends sit between L and K. Only three friends sit between M and N.

46) What is J's position with respect to K?

a. Fourth to the left

b. Third to the right

c. Third to the left

d. Sixth to the right

e. Second to the right

47) Who sits second to the right of N?

a. K

b. L

c. J

d. M

e. P

48) Four of the following five are alike in a certain way based on the given seating arrangement and so form a group. Which is the one that does not belong to that group?

a. M

b. N

c. L

d. J

e. Q

49) How many friends in the given arrangement face the centre?

a. One

b. Two

c. Three

d. Four

e. Five

50) Who sits exactly between Q and P?

a. K

b. L

c. J

d. M



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e. O

Answer and Explanation

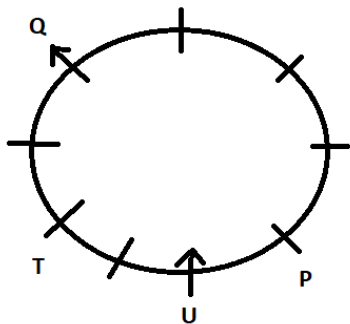
Answers:-

1. a
2. d
3. d
4. a
5. c

Solution 1-5

1. T sits 2nd to the left of U, who faces towards the centre.
2. One person sits between T and Q.
3. P sits 4th to the right of Q.

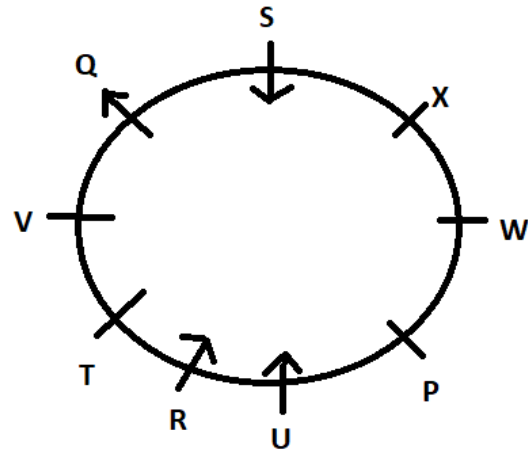
So, P sits immediate right of U. Q faces outside.



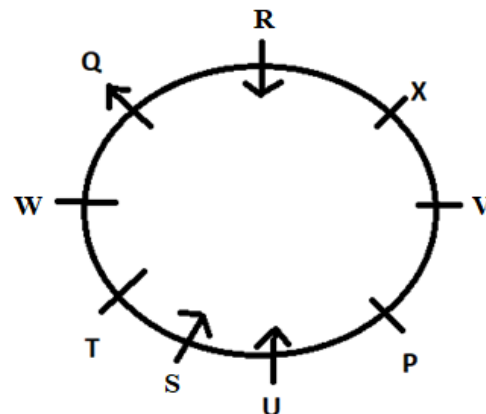
4. W sits 2nd to the left of S, who faces towards the centre.
5. V sits 2nd to the left of R, who doesn't face same direction as Q.
6. W doesn't sit with U.

So, W sits 3rd to the right of Q or immediate left of Q and R sits immediate left of U or 4th to the right of U.

Case I: R sits immediate left of U:



Case II: R sits 4th to the right of U:

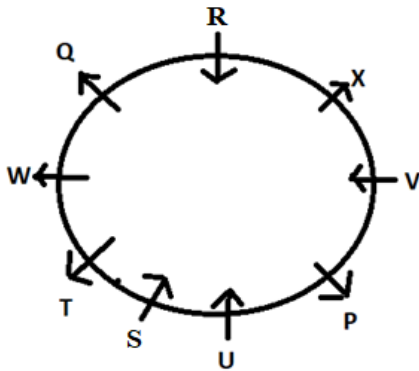


7. X doesn't sit adjacent to W, so case I is rejected.
8. Immediate neighbors of V face opposite direction to V. So, V must face towards the centre while X and P face outside and W and T face outside.

The final seating arrangement is given below:



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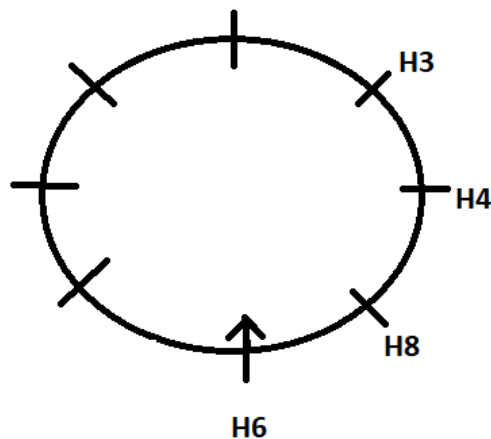
Answers:-

6. d
7. b
8. d
9. a
10. c

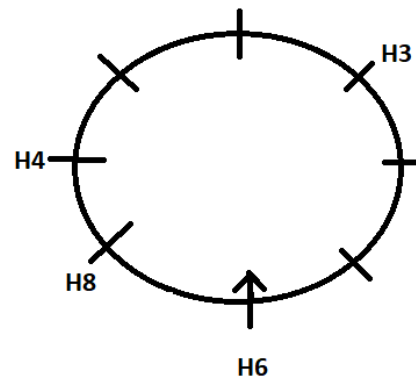
Solution 6-10

1. H8 is an immediate neighbor of both H4 and H6, who faces towards the center.
2. H3 sits third to the right of H6 so, either H4 sits to the left of H6 or in the right of H6.

Case I: When H4 sits to the right of H6.



Case II: When H4 sits to the left of H6. H2 sits 3rd to the left of H3 so, case II is invalid, because H2 can't be placed in case II.



3. H1 sits second to the left of H2, H1 faces the same direction as H6.
4. Immediate neighbors of H1 face the same direction.
5. H2 sits 3rd to the left of H3. H4 and H2 face opposite directions.
6. Immediate neighbours of H6 face the opposite direction as of H1.
7. Neither H7 nor H5 is an immediate neighbor of H3. H5 doesn't sit immediate right of H2.

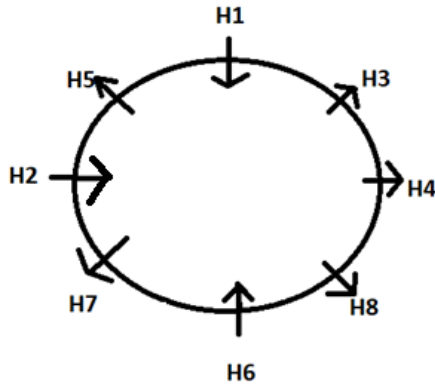
The second possibility gets eliminated as it is not possible to place H2 third to the left of H3.

So, H2 faces towards the center. **H1 and H6 also** faces towards the center.

The final arrangement is as follows:



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Answers:-

11. a

12. d

13. a

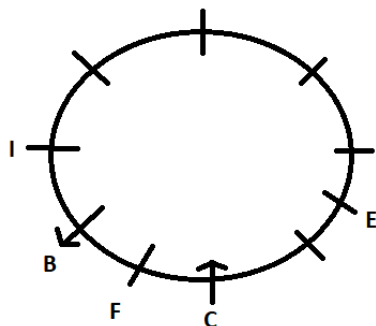
14. d

15. d

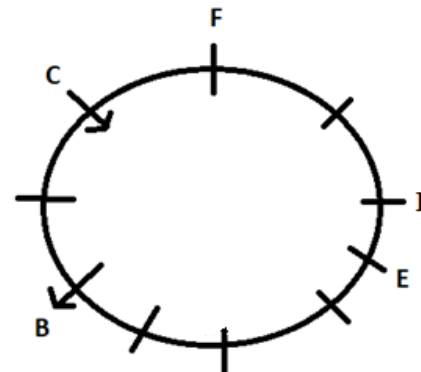
Solution 11-15

1. E sits 4th to the left of B, who faces outside.
 2. F sits immediate left of C, who faces towards the centre.
 3. I sits 3rd to the left of C.
- So, E sits either 2nd to the right of C or 4th to the left of C.
Also, I sits either immediate right of B or 5th to the left of B.

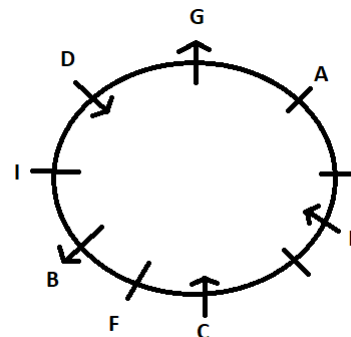
Case I: E sits 2nd to the right of C:



Case II: E sits 4th to the left of C:



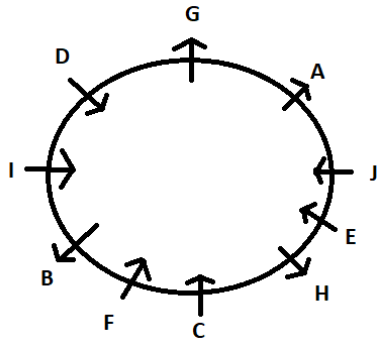
4. Two persons sit between I and A, who doesn't sit 2nd to the left of E.
 5. D and G sits immediate left of each other, this is not possible in case II, so case II is rejected.
 6. D and E face same direction.
- So, D and E face towards the centre and G faces outside.



7. J doesn't sit adjacent to C.
 8. G and H face same direction as A.
 9. F and J face same direction as I.
 10. I doesn't face outside.
- So, H faces outside and sits adjacent to C and J sits immediate right of E.
Also, F and J face towards the centre and A face outside.
The final seating arrangement is given below:



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Answers:-

16. c

17. c

18. b

19. a

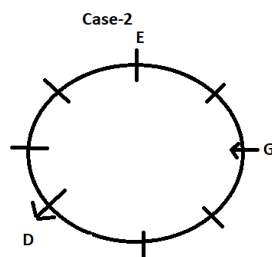
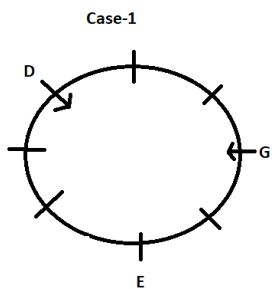
20. d

Solution 16-20

1. G sits opposite to the person, who sits to the immediate right of D.

2. G faces towards the centre.

3. Two persons sit between D and E, so



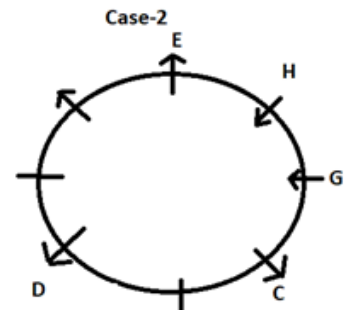
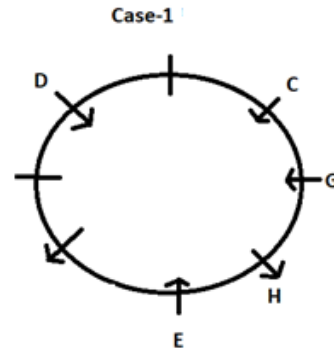
4. H sits 2nd to the left of C and immediate right of E.

5. H and D face opposite directions.

6. Person, who sits 2nd to the right of H faces outside.

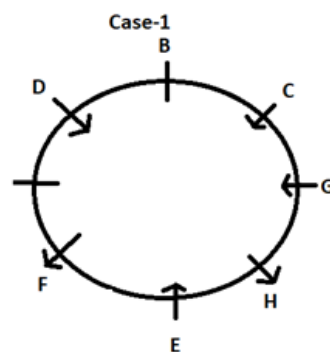
7. C doesn't sit to the immediate left of E.

8. E faces same direction as D



8. F doesn't sit beside D.

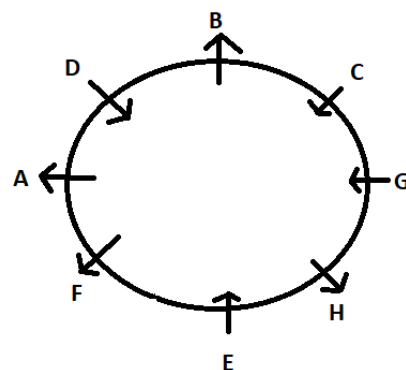
9. B sits 3rd to the right of F, this is not possible in case II, so case II is rejected.



10. A doesn't sit 2nd to the right of G

11. A and B face opposite direction as E, so A and B face outward.

The final circular seating arrangement is given below:



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Answers:-

21. b

22. c

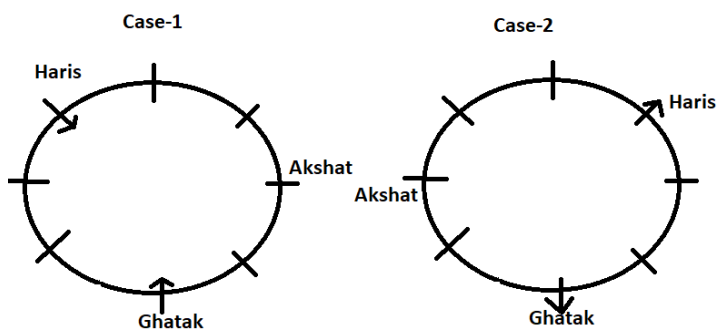
23. c

24. a

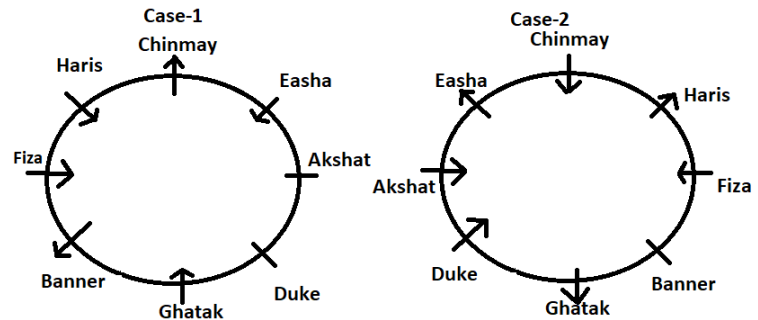
25. d

Solution 21-25

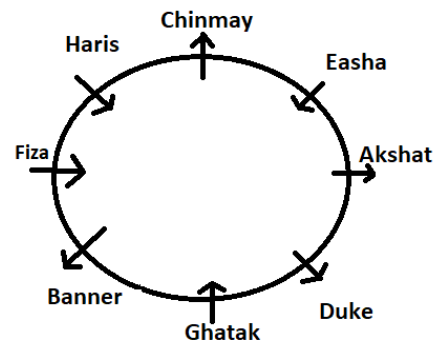
- 1) Akshat sits second to the right of Ghatak.
- 2) Two persons sit between Haris and Ghatak.
- 3) Both Ghatak and Haris face in same direction.
- 4) Akshat and Haris are not adjacent to each other.



- 5) Chinmay and Easha are immediate right of each other.
- 6) Easha sits opposite to Banner, who does not sit adjacent to Akshat.
- 7) Fiza faces towards the centre and does not sit adjacent to Ghatak.
- 8) Duke and Akshat face in same direction.
- 9) Not more than two adjacent persons face in same direction.



- 10) Fiza and Duke do not face in same direction. So, case 2 won't be possible.



Answers:-

26. d

27. c

28. b

29. d

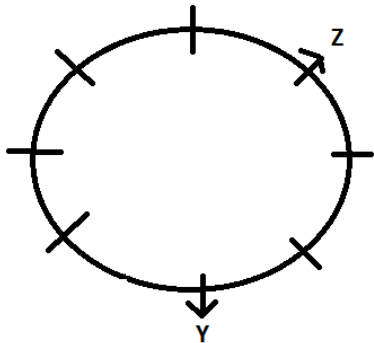
30. c

Solution 26-30

- 1) Z is sitting 3rd to the left of Y.
- 2) Both Y and Z are facing towards the outside.

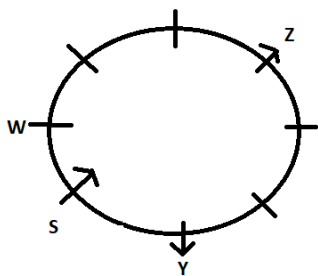


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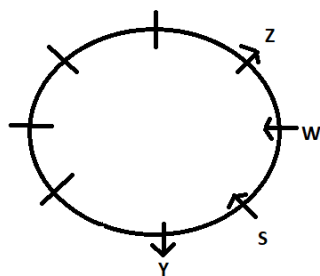


- 3) S is an immediate neighbour of Y.
- 4) S faces towards the centre and he is an immediate neighbour of both Y and W.
- 5) W faces towards the centre.

Case-1

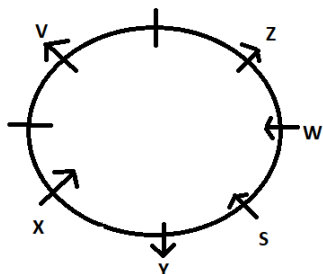


Case-2

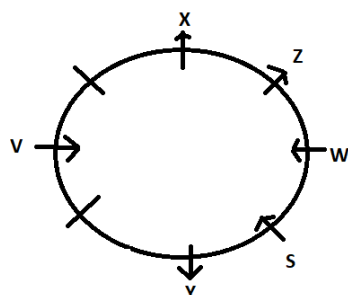


- 6) V is not an immediate neighbour of Y and Z.
 - 7) X is sitting second to the left of V.
 - 8) X faces the just opposite direction of V.
- Here case 1 fails as it doesn't satisfies condition 7.

Case-2 (a)



Case-2 (b)

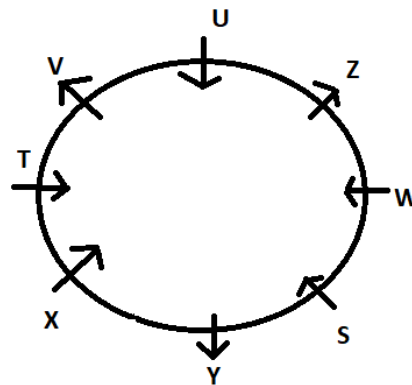


9) Both the immediate neighbours of U face just opposite direction of U.

10) Both the immediate neighbour of V face just opposite direction of V.

Here condition 2b fails as it doesn't satisfies condition 9.

By elimination, we get

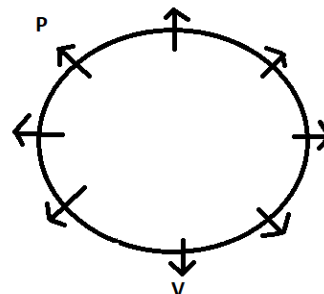


Answers:-

31. c
32. c
33. b
34. d
35. d

Solution 31-35

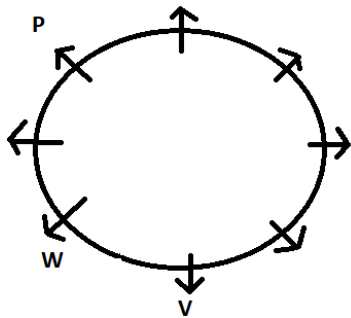
1. P sits third to the right of V.



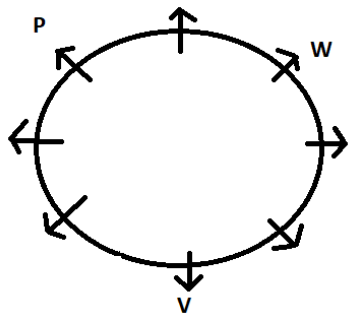
Circular Seating Single Variable for SBI PO Prelims

2. Only one person sits between P and W (either from the right or left from P)

Case 1



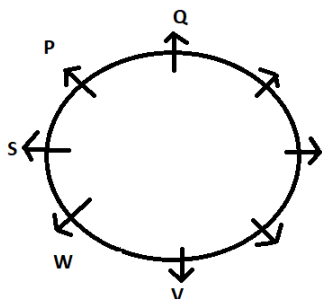
Case 2



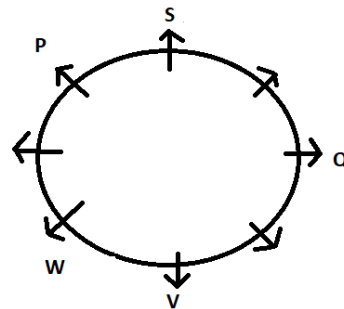
3. S sits second to the left of Q, who is not an immediate neighbour of V.

Here Case 1 splits into two more cases Case 1 A and Case 1 B

Case 1A

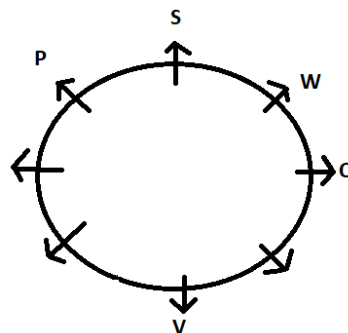


Case 1 B

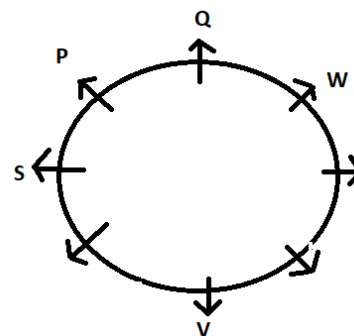


And Case 2 splits into two more cases Case 2 A and Case 2 B

Case 2 A



Case 2 B



4. As many persons are sitting between W and U is same as the number of persons sitting between R and U.

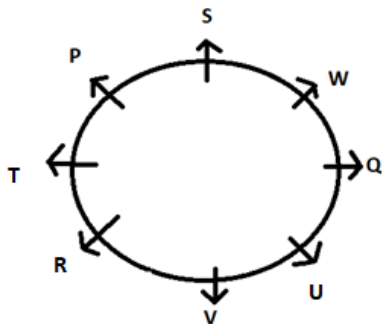
5. T sits to the immediate right of R.

6. T does not sit opposite to S.

The final arrangement will be as shown:



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Answers:-

36. d

37. e

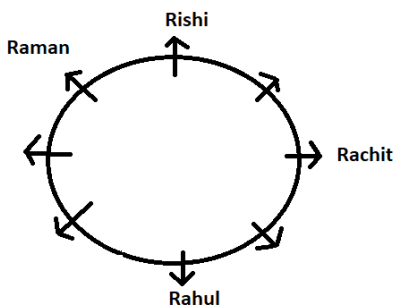
38. a

39. c

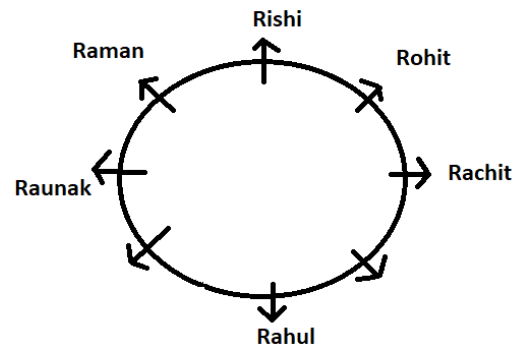
40. b

Solution 36-40

- 1) Rachit is sitting second to the left of Rahul.
- 2) One person is sitting between Rachit and Rishi.
- 3) Raman is sitting third to the left of Rachit.

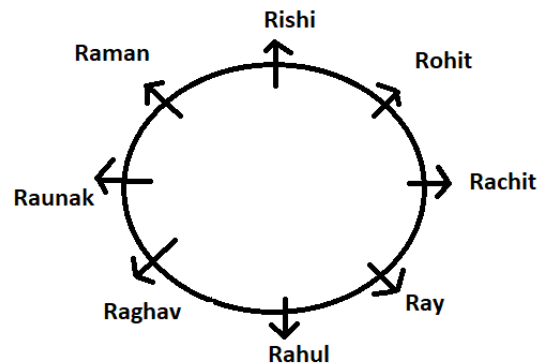


- 4) Immediate neighbour of Raunak is Raman.
- 5) Rohit is not an immediate neighbour of Rahul or Ray. Thus, Rohit will sit between Rachit and Rishi.



6) Raghav and Rachit are not neighbours. Thus, Raghav will sit between Raunak and Rahul.

The final arrangement will be:



Answers:-

41. d

42. e

43. d

44. a

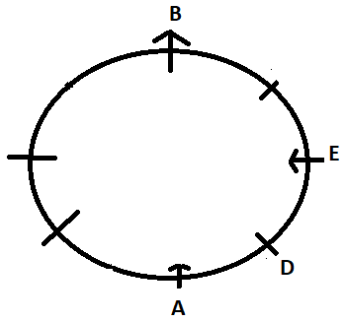
45. e

Solution 41-45

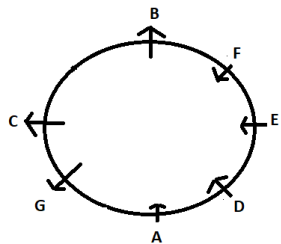
- 1) B sits fourth to the right of A.
- 2) A is facing the center and B faces opposite to A.
- 3) E sits second to the right of A and both are facing same direction.
- 4) D is immediate left of E.



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- 5) D sits third to the left of C.
- 6) C and G are the immediate neighbour of each other and both are facing the same direction.
- 7) F and G faces opposite direction.
- 8) Immediate neighbours of A face opposite direction.

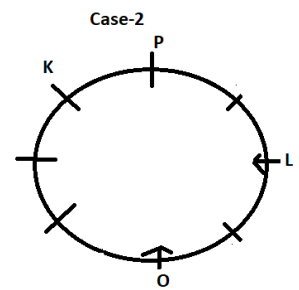
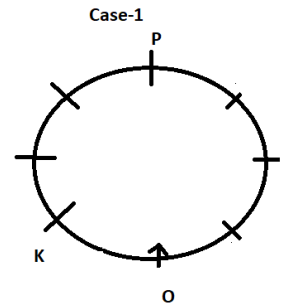


Answers:-

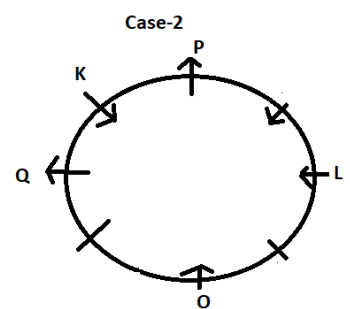
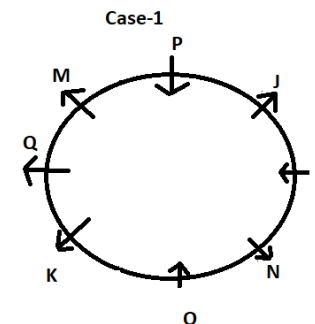
46. a
47. a
48. c
49. c
50. d

Solution 46-50

1. L sits second to the right of O and O faces the centre.
2. Only two friends sit between L and K.
3. P sits second to the right of L.

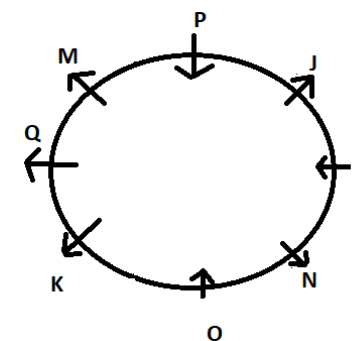


4. Q sits to the immediate right of K.
5. P and K face opposite direction.
6. Immediate neighbour of P face the same direction.
7. Only three friends sit between M and N.
8. N sits second to the right of J.
9. Both Q and N face a direction opposite to that of L.



Neither M nor J is an immediate neighbour of O. (This invalid the case 2)

Final arrangement:



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