

## Expected Concentric Diagram Based Seating Arrangement Questions for Upcoming Exam

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### Concentric Diagram Based Seating Arrangement

**Directions (1-5):** Study the following information and Answer the questions below:

12 persons M, N, O, P, Q, R, U, V, W, X, Y and Z are sitting in two concentric hexagons with six people in each hexagon. M, N, O, P, Q and R are sitting in the outer hexagon facing the centre while U, V, W, X, Y and Z are sitting in the inner hexagon facing outside. No one sits in the middle of any side of the hexagon. Q sits 2<sup>nd</sup> to the left of N. One of the immediate neighbors of W faces N. M and N are not immediate neighbors of each other. One person sits between M and R. U faces the one who sits immediately to the left of N. O and P are immediate neighbors of each other. The person who faces P is an immediate neighbor of W. There is only one person between Z and the person who faces P. Y is 2<sup>nd</sup> to the left of Z. Z and V are opposite to each other. X is an immediate neighbor of V.

- Who among the following faces R?  
(a) X  
(b) Y  
(c) Z  
(d) U  
(e) V
- Who among the following are immediate neighbors of M?  
(a) RO  
(b) RQ  
(c) OP  
(d) QP  
(e) QO
- Four of the following five are alike in a certain way based on the given information and so form a group. Which one does not belong to that group?  
(a) M  
(b) N  
(c) O  
(d) P  
(e) Q

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group. Find the one which does not belong to the group?

- (a) UR
- (b) ZO
- (c) VM
- (d) YP
- (e) XQ

4. If all the persons are arranged in clock wise direction from M how many persons does not change their position?(Excluding M)

- (a) None
- (b) 4
- (c) 3
- (d) 2
- (e) 1

5. Who among the following sits 3<sup>rd</sup> to the right of the person who faces Q?

- (a) W
- (b) U
- (c) Z
- (d) V
- (e) Y

**Directions (6-10): Study the following information and Answer the questions below:**

Eight friends E, F, G, H, T, U, V and W are sitting in two squares in such a manner that each member of the inner square sits exactly opposite the member of the outer square. No one sit at any corner. The members sitting in the outer square are T, U, V and W and all of them are facing towards the centre while the members of the inner square are E, F, G and H and they are facing away from the centre. Each of them likes a different city, viz Delhi, Shimla, Mumbai, Chennai, Raipur, Hyderabad, Kolkata and Bhopal, but not necessarily in the same order.

H likes neither Shimla nor Raipur and faces V, who likes neither Bhopal nor Kolkata. The person who likes Hyderabad faces the person who likes Delhi. E, who

likes Chennai, faces the immediate neighbor of the person who likes Mumbai. V sits second to the left of W. The person like Raipur and Delhi are in Separate Square. The person who likes Bhopal sits on the immediate left of W. U, who does not like Mumbai, does not face E. The persons who like Bhopal and Kolkata are immediate neighbors, and one of them faces F, who likes Shimla. The persons who like Hyderabad and Chennai sit in the same Square but they are not immediate neighbors.

6. Who among the following like Mumbai?

- (a) U
- (b) F
- (c) G
- (d) T
- (e) W

7. Who among the following faces the one who like Chennai?

- (a) The one who like Kolkata
- (b) V
- (c) The one who like Bhopal
- (d) T
- (e) The one who like Hyderabad

8. Who among the following are immediate neighbors of the one who like Delhi?

- (a) U and W
- (b) F and G
- (c) W and T
- (d) W and The one who like Mumbai
- (e) T and The one who like Bhopal

9. Who faces the one who sits 2<sup>nd</sup> to the left of the one who like Shimla?

- (a) U
- (b) W
- (c) T
- (d) V
- (e) E

10. Four of the following five are alike in a certain way based on the given information and so form a

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**group. Find the one which does not belong to the group?**

- (a) H
- (b) W
- (c) F
- (d) G
- (e) E

Directions (11-15): Study the following information and Answer the questions below:

Twelve persons U, V, W, X, Y, Z, I, J, K, L, M and N are sitting in the two Hexagonal table. All of them are sitting with equal distance from each other and six persons were sitting in each the inner Hexagon and the outer Hexagon. The persons sitting in the one hexagon is exactly sits opposite to the persons sitting in the another hexagon and some of the are facing centre of the hexagon while some are facing opposite to the centre of the Hexagon. All the persons sit at corner of the sides of hexagon. Note: A is opposite to B means they are in different hexagon.

L sits opposite to the one who sits second to the right of Z and both of them are not sitting in the same hexagon. Z and the one who sits in the outer hexagon facing each other. U sits opposite to the person who sits to the immediate left of X, who is an immediate neighbor of L. U faces the same direction as X, who is not an immediate neighbor of the one who faces Z. M sits opposite to J, both are faces same direction and does not sit in the same table. J sits second to the right of N, who sits to the immediate left of V. N and V are facing the same direction as X. J does not sit in the same hexagon as U. K and W are immediate neighbors and faces the same direction. Y sits opposite to the person, who sits second to the left of W. Immediate neighbors of K faces opposite directions (if one faces centre, then another one faces away from the centre of the table). Equal number

of persons is facing the same directions in the inner hexagon. The immediate neighbors of the one who faces the person I are facing the opposite direction as W.

11. Who among the following person is sitting third to the left of U?
  - (a) M
  - (b) Z
  - (c) K
  - (d) W
  - (e) None of these
12. Who among the following person is sitting second to right of the one who faces I?
  - (a) J
  - (b) N
  - (c) L
  - (d) V
  - (e) None of these
13. How many person sit between the person who is opposite to U and the person who is opposite to W?
  - (a) 2
  - (b) 1
  - (c) 3
  - (d) Cannot be determined
  - (e) None of these
14. Four of the following are alike in a certain way so form a group which of the following does not belong to the group?
  - (a) L, W
  - (b) Z, V
  - (c) U, Y
  - (d) I, X
  - (e) N, K
15. Who sits 4<sup>th</sup> to the left of the one who sits immediate right of K?
  - (a) W
  - (b) V
  - (c) U

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(d) I

(e) M

Directions (16-20): Study the following information and Answer the questions below:

In a ground there are 2 benches in rectangle form. One rectangle is inside another. Twelve people went to the ground and sit on the benches i.e on two different rectangles-one inside another. T, D, R, A, S and P are in the outer rectangle facing inward. E, K, U, M, H and N are sitting in the inner rectangle facing outward. They all are sitting in such a way that in each rectangle four persons are sitting in the middle of the sides and two persons are sitting on diagonally opposite corners. Each friend in the inner rectangle is facing another friend of the outer rectangle.

T sits on any of the corner. There are exactly two persons sitting between T and S. H sits second to the left of E. A is facing N and D is not opposite R in the outer rectangle. R is on the immediate left of the one who is facing E. Neither H nor E faces either S or T. S is not sitting adjacent to A. K is not facing T. Between K and M there are as many persons as between R and P.

16. Who among the following sits third to the right of R?

- (a) S
- (b) A
- (c) T
- (d) P
- (e) None of these

17. What is the position of H with respect to M?

- (a) Second to the left
- (b) Immediate right
- (c) Fourth to the left
- (d) Immediate left
- (e) Second to the right

18. If 'N' is related to 'H' and 'K' is related to 'E' in a certain way, then 'U' is related to which of the following?

(a) M

(b) U

(c) H

(d) E

(e) None of these

19. Who among the following person sits opposite to K in outer Square?

- (a) P
- (b) A
- (c) D
- (d) E
- (e) None of these

20. What is the position of T with respect to D?

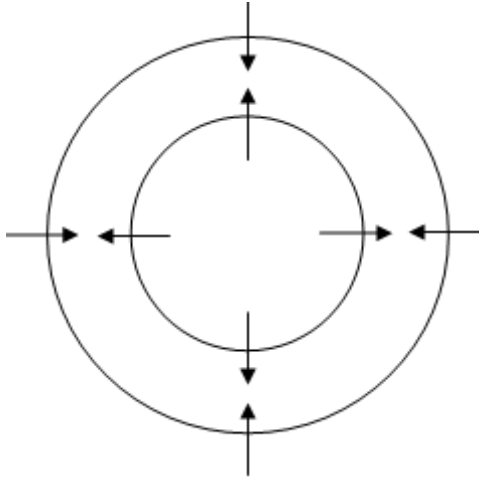
- (a) Third to the right
- (b) Second to the left
- (c) Third to the left
- (d) Immediate right
- (e) None of these

**Directions (21-25): Study the following information and answer the questions given below.**

Eight people viz. C, V, B, U, D, K, W and J are sitting in two circles in equal numbers facing each other as shown in the fig. below. The people sitting in the outer circle faces towards the centre of the circle and the people sitting in the inner circle faces outside the centre of the circle. Each of them likes different Perfumes viz. Gucci, Denver, Engage, Wild Stone, Boss, Fogg, Park Avenue and Armani. All the information is not necessary to be in the same order. Also, they were made to sit in a straight line, the people sitting in the inner circle faces south and like same Perfume. The persons sitting in the outer circle faces north and likes different Perfume.



## Expected Concentric Diagram Based Seating Arrangement Questions for Upcoming Exam



J sits third to left of both B and the one who likes Armani Perfume in the straight line. B is an immediate neighbour of W and sits in the extreme end of the line. The person, who faces K in the circle, likes Fogg Perfumes in the straight line. U sits immediate right of K in the circle. W sits second from the extreme end of the line and likes the Perfume liked by J in the circle. The person who likes Denver faces the person who sits immediate left of C in the circle. J faces the person who sits to the immediate left in the straight line. The person who likes Armani Perfume faces the person who likes Wild Stone Perfume. W is not an immediate neighbour of J, who likes Engage Perfume in the circle. W and C don't face each other or sits in the same circle. B faces the person who sits immediate left of D, who likes Boss Perfume. K and V face each other neither of them likes Denver Perfume. D sits second to the left of the one who likes Armani Perfume in the straight line. C neither likes Armani or Park Avenue Perfume while sitting in the circle. The person, who likes Gucci Perfume, sits second to the left of the one who likes Fogg Perfume in the straight line. J doesn't like Denver Perfume in the straight line.

21. What is the position of K with respect to U in the Straight line?

- (a) Second to the right
- (b) Fourth to the right

- (c) Third to the left
- (d) Fourth to the left
- (e) None of these

22. Which of the following statement is true regarding the circular arrangement?

- (a) C and J face each other
- (b) The one who likes Engage Perfume is an immediate neighbour of one who likes Denver Perfume.
- (c) U likes Park Avenue Perfume and sits to the immediate left of C
- (d) The one who likes Fogg Perfume and sits to the immediate left of V
- (e) All are true

23. Who among the following likes Wild Stone Perfume in the straight line?

- (a) C
- (b) The one who sits third to the right of J
- (c) W
- (d) J
- (e) Cannot be determined

24. Four of the following five are alike in a certain way thus forms a group with respect to circular Arrangement. Find the one which doesn't belong to the group?

- (a) B – Fogg
- (b) J – Boss
- (c) U – Denver
- (d) D – Wild Stone
- (e) V – Gucci

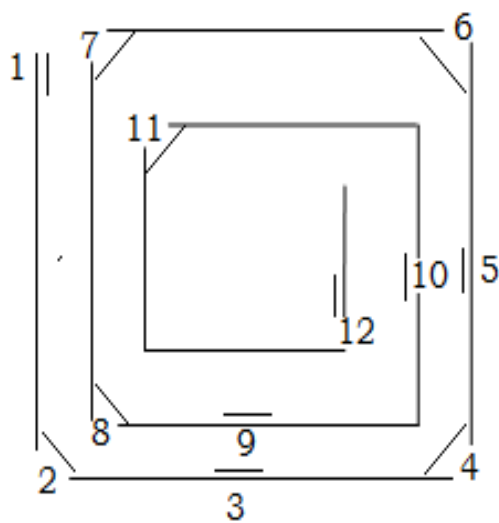
25. How many Person sits between the one who like Armani perfume and the one who like Engage in Straight Line?

- (a) 3
- (b) 4
- (c) 5
- (d) 6
- (e) 2

## Expected Concentric Diagram Based Seating Arrangement Questions for Upcoming Exam

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

Twelve persons M, N, O, P, Q, R, S, T, U, V, W and X were seated in rectangular shaped concentric walls as shown in Figure



There were 12 boxes and only one person was seated on each box, the persons were seated facing outside the centre. There were 6 box kept on the corners and 6 were kept along the side of the walls. The Box was numbered 1-12 as shown in the figure. Any person seated on the corner of a wall can see the neighbouring persons seated along the 2 neighbouring walls or the neighbouring corners (only when nobody is there along the neighbouring side of the wall). For example, person on chair 8 can see person on chair 9 and 7 but not 10. Similarly, any person seated on the side of the wall can see the persons seated on the neighbouring corners of the wall. For example, person on chair 3 can see the persons on chair 2 and 4 only.

M's seat number was thrice as that of N's seat number. M could not see anybody. O was 3<sup>rd</sup> to the right of N who

was seated on one of the corners. P could see Q and W. R was seated 3<sup>rd</sup> to the left of S. Sum of the seat numbers of S and Q was equal to the seat number of T. T could not see anybody. U's seat number was one third of the V's seat number. W was seated third to the left of U.

26. In which box number X is seated?

- (a) 11
- (b) 12
- (c) 10
- (d) 8
- (e) 7

27. Four of the following five are alike in a certain way thus forms a group. Find the one which doesn't belong to the group?

- (a) U
- (b) N
- (c) P
- (d) Q
- (e) S

28. Total sum of the seat number of W and U is equal to whom?

- (a) 12
- (b) 11
- (c) 10
- (d) 9
- (e) 8

29. Who among the following sits 5<sup>th</sup> to the right of the one whose seat number is 7?

- (a) R
- (b) N
- (c) U
- (d) O
- (e) S

30. Which of the followings sits at middle of the walls?

- (a) P
- (b) W
- (c) Q

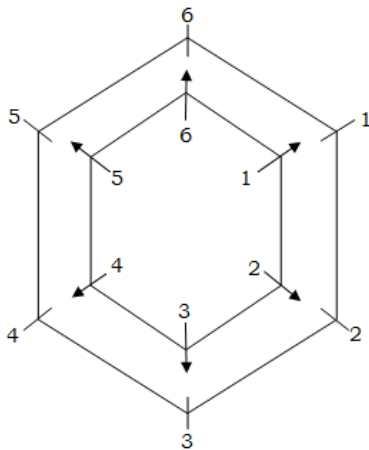
## Expected Concentric Diagram Based Seating Arrangement Questions for Upcoming Exam

(d) M

(e) N

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

Six Cricketer P, Q, R, S, T and U seated around a hexagonal Cricket Ground which was built in a way that there were 2 hexagons (inner and outer). The positions were marked as shown below:



Initially they were seated along the inner Ground faces outside the centre. The following information is known about their initial arrangement:

- Two persons sitting between U and S whose seat number was an even value
- Q's seat number was one third as that of P's seat number.
- Q was seated to the immediate right of T.

T had a dice which had the numbers 1-6. Each person rolled the dice only once alphabetically i.e. A rolled the dice followed by B and so on. They changed positions as per the number they rolled.

Conditions for their movements were as follows:

- The person 1<sup>st</sup> to roll an even value moved to position 6 of the outer Ground. The person 2<sup>nd</sup> to roll an even value shifted to his immediate Right. The person 3<sup>rd</sup> to roll an even value moved to position 4 of the outer Ground.

- The person 1<sup>st</sup> to roll an odd value moved to position 1 of the outer ground. The person 2<sup>nd</sup> to roll an odd value shifted to his immediate left. The person 3<sup>rd</sup> to roll an odd value moved to position 3 of the outer ground.

The numbers rolled by them were as follows:

- P-5
- Q-3
- R-6
- S-1
- T-2
- U-4

NOTE: If any required position is already taken by another person during the movements, then the person (who was to move) remains at his original position.

- After both movement how many Cricketer are in outer hexagon?
  - 1
  - 2
  - 3
  - 4
  - 5
- In final arrangement how many person don't change their position?
  - None
  - 5
  - 4
  - 3
  - 2
- If the person sits at outer ground faces outside then who sits third to the right of R?
  - S
  - T
  - Q
  - U
  - P

## Expected Concentric Diagram Based Seating Arrangement Questions for Upcoming Exam

34. Four of the following five are alike in a certain way thus forms a group. Find the one which doesn't belong to the group?

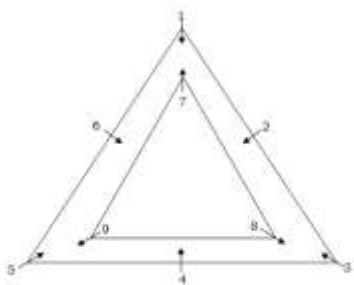
- (a) S
- (b) R
- (c) Q
- (d) U
- (e) P

35. If Q shift to the outer ground in position 2<sup>nd</sup> Then Which of the following are the neighbours of Q?

- (a) S, U
- (b) S, P
- (c) R, P
- (d) U, P
- (e) None

**Directions (36-40): Study the following information and answer the questions given below**

Nine persons P, Q, R, S, T, U, V, W and X were seated along two concentric triangular. There were 3 persons seated along the inner smaller park such that there was 1 person at each of the corner and 6 were seated along the outer larger park such that there was 1 person at each of the corner and one person along each of the side. The persons seated along the outer park were seated facing towards the centre and the persons seated along the Inner Park were seated facing away from the centre. The seats were numbered as shown in the figure:



- P was seated to the Immediate right of the one whose seat number was thrice as that of U's seat number
- T's seat number was twice as that of S's seat number. S was seated along one of the sides.
- R and T were seated at consecutive seat numbers.
- X's seat number was more than that of Q's seat number.
- Difference between R's seat number and Q's seat number was 2.
- W was seated at one of the corners but was not neighboring S.

36. In which seat number W is seated?

- (a) 9
- (b) 4
- (c) 5
- (d) 6
- (e) 7

37. Who faces the person who sits at seat number 7?

- (a) X
- (b) P
- (c) Q
- (d) U
- (e) R

38. Which of the following sits at outer triangle?

- (a) W
- (b) X
- (c) T
- (d) R
- (e) None of these

39. Which seat number is immediate neighbor of V?

- (a) 1, 4
- (b) 4, 6



## Expected Concentric Diagram Based Seating Arrangement Questions for Upcoming Exam

(c) 2, 4

(d) 7, 9

(e) 5, 4

40. Who sits 4<sup>th</sup> to the right of the person whose seat number is 6?

(a) S

(b) V

(c) Q

(d) U

(e) P

**Directions (41-45): Study the following information and answer the questions given below**

Sixteen persons are sitting around two circular tables as one is inscribed in another one. All of them are facing towards the center. Eight persons i.e. M, N, O, P, Q, R, S and T are sitting around the inner circular table. Eight persons i.e. E, F, G, H, I, J, K and L are sitting around the outer circular table.

Note- The persons of outer circular table are sitting exactly behind the persons sitting around the inner circular table. The persons of inner circular table are sitting exactly ahead the persons sitting around the outer circular table.

P sits 3<sup>rd</sup> to the right of the one who sits ahead of E. L is not an immediate neighbor of J. F sits second to the left of E. M is not an immediate neighbor of O. Q sits neither ahead of E nor F. K sits 2<sup>nd</sup> to the left of L. Q and S are immediate neighbors of T. G sits immediate right of E. R sits immediate right of the person, who sits ahead of F. H sits behind of O. J sits 2<sup>nd</sup> to the right of H.

41. Who sits 5<sup>th</sup> to the right of the one who is behind M?

(a) L

(b) K

(c) F

(d) E

(e) G

42. Who among the following seated opposite to N in same circle?

(a) S

(b) M

(c) O

(d) Q

(e) T

43. How many people are seated between the person who is immediate left of the person who faces T and E (in clock wise direction from E)?

(a) 2

(b) 4

(c) 5

(d) 6

(e) 3

44. Which of the following person behind the person who sit 4<sup>th</sup> to the left of S?

(a) E

(b) H

(c) G

(d) I

(e) J

45. The person who is ahead of I is between which of the following persons?

(a) Q, M

(b) J, H

## Expected Concentric Diagram Based Seating Arrangement Questions for Upcoming Exam

- (c) T, S
- (d) O, Q
- (e) M, N

**Directions (46-50):** Study the following information and answer the questions given below

There are nine persons P, Q, M, R, S, T, U, V, W and X sitting on the corners of two different polygons of which one is square and other is pentagon. Both the polygon is concentric such that Square is inside the pentagon. All the persons are facing inside the polygon. S is sitting third to the right of X. X is exactly ahead or behind of R. W is sitting third to the left of R. T is the immediate neighbour of R. P is not the immediate neighbour of U. V sits on the immediate left of Q. U is neither the immediate neighbour of T nor X.

46. Who among the following sits second to the right of U after arrangement?

- (a) Q
- (b) R
- (c) P
- (d) T
- (e) V

47. How many persons are sitting between R and W in final arrangement when counted to the right of W.

- (a) 1
- (b) 4
- (c) 3

- (d) 2
- (e) 5

48. Which of the following pair is immediate neighbor of X?

- (a) S, Q
- (b) R, Q
- (c) U, W
- (d) None of these
- (e) S, V

49. If all the persons sitting in outer polygon faces outside than which of the following sitting second to the right of T?

- (a) W
- (b) P
- (c) U
- (d) R
- (e) None of these

50. If the entire person in outer polygon arranged in alphabetical order from P in clock wise direction then how many person change their position? (Except P)

- (a) 4
- (b) 1
- (c) 2
- (d) 3
- (e) None of these

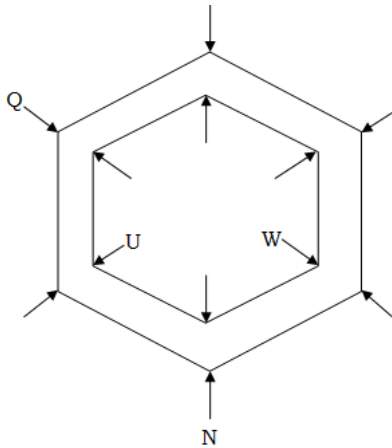
### Solution and Detailed Explanation

**Direction (1-5)**

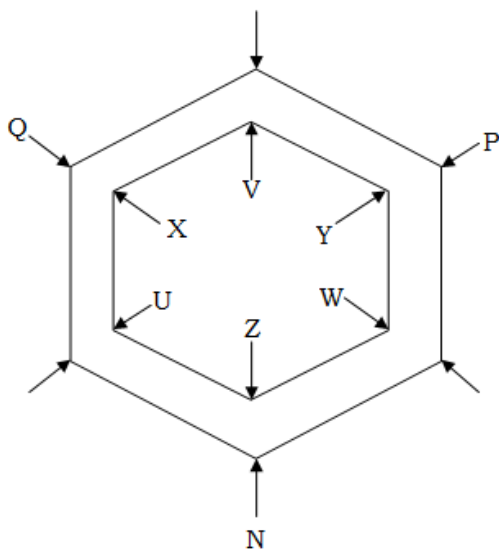
Explanation in detail:

## Expected Concentric Diagram Based Seating Arrangement Questions for Upcoming Exam

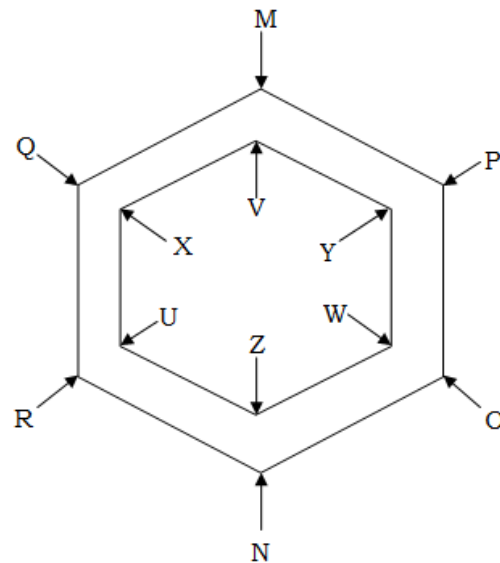
1. Q sits 2<sup>nd</sup> to the left of N.
2. One of the immediate neighbors of W faces N.
3. U faces the one who sit immediate left of N



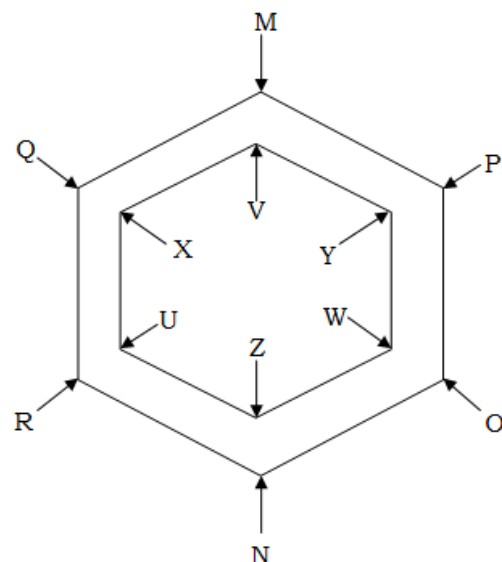
4. The person who faces P is an immediate neighbor of W.
5. There is only one person between Z and the person faces P
6. Z and V are opposite to each other.
7. Y is 2<sup>nd</sup> to the left of Z.
8. X is an immediate neighbor of V.



9. O and P is immediate neighbor of each other.
10. One person sits between M and R.
11. M and N is not immediate neighbor of each other.



### Final Arrangement



1. d
2. d
3. b

## Expected Concentric Diagram Based Seating Arrangement Questions for Upcoming Exam

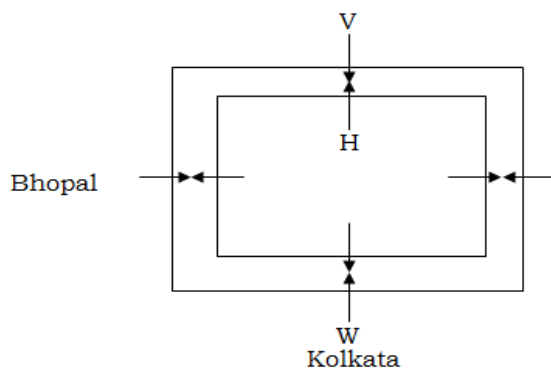
4. e

5. a

**Direction (6-10)**

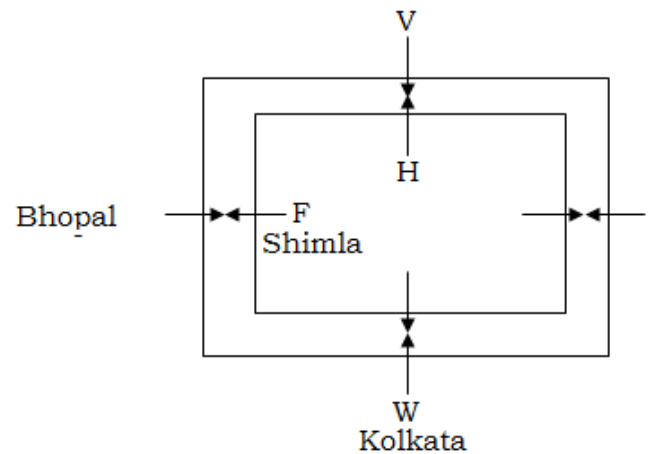
**Explanation in detail:**

1. H likes neither Shimla nor Raipur and faces V.
2. V sits second to the left of W.
3. The person who likes Bhopal sits on the immediate left of W.
4. The Persons who like Bhopal and Kolkata are immediate neighbors.

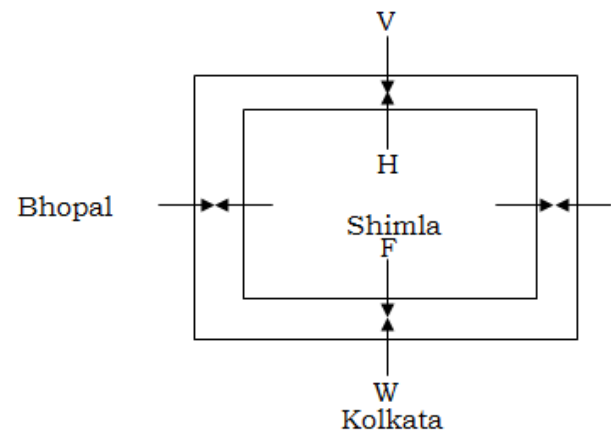


5. The persons who like Bhopal and Kolkata are immediate neighbors, and one of them faces F, who likes Shimla. (Here Two case for F)

**CASE 1**



**CASE 2**

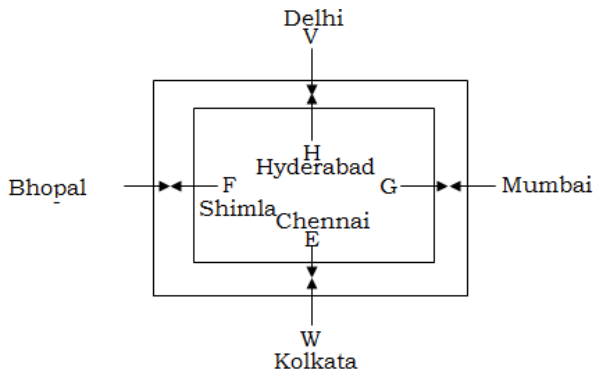


6. The person who likes Hyderabad faces the person who likes Delhi.
7. E, who likes Chennai, faces the immediate neighbor of the person who likes Mumbai.
8. The persons who like Hyderabad and Chennai sit in the same Square but they are not immediate neighbors.
9. U, who does not like Mumbai, does not face E.

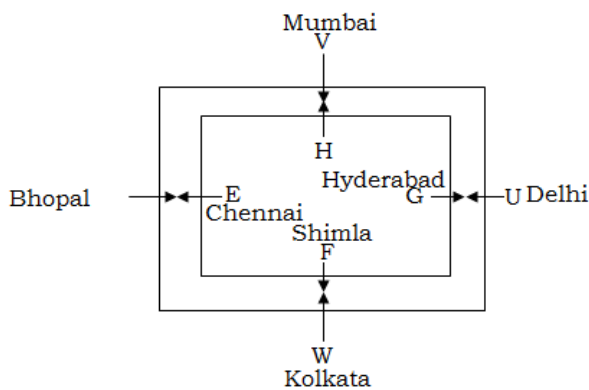
**CASE 1**



## Expected Concentric Diagram Based Seating Arrangement Questions for Upcoming Exam



### CASE 2



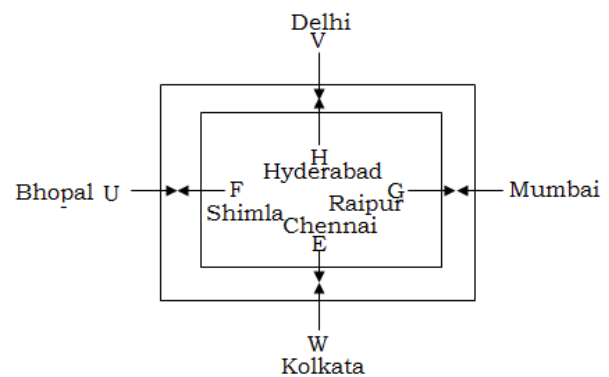
10. H likes neither Shimla nor Raipur.

11. The person like Raipur and Delhi are in Separate Square.

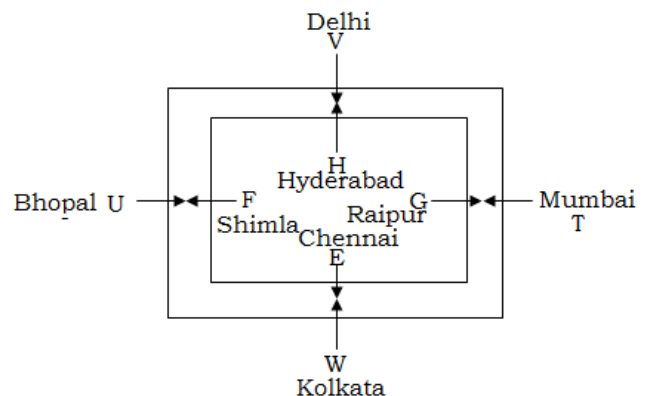
**CASE 2 was eliminated (H not like Raipur)**

### CASE1

12. U does not like Mumbai.



### Final Arrangement



6. d

7. a

## Expected Concentric Diagram Based Seating Arrangement Questions for Upcoming Exam

8. e

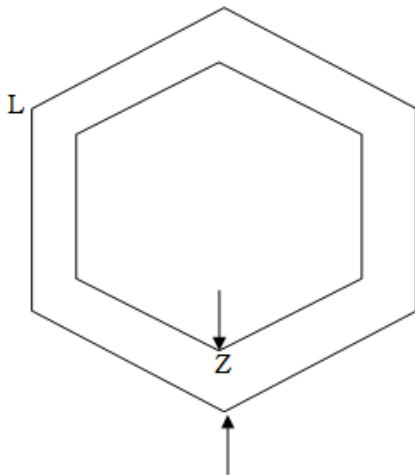
9. c

10. b

**Direction (11-15)**

**Explanation in detail:**

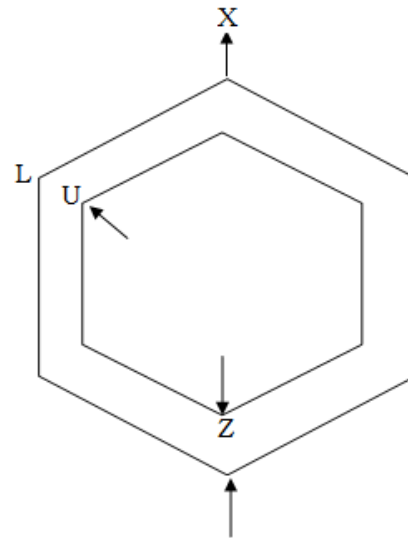
1. L sits opposite to the one who sits second to the right of Z and both of them are not sitting in the same hexagon.
2. Z and the one who sits in the outer hexagon facing each other. (From here it is clear that Z is in Inner hexagon and faces outside)



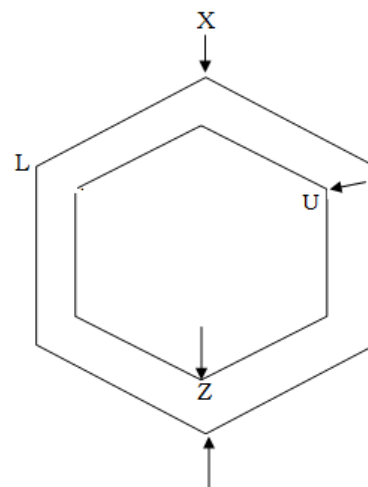
3. U sits opposite to the person who sits to the immediate left of X, who is an immediate neighbor of L.
4. U faces the same direction as X, who is not an immediate neighbor of the one who faces Z.

Two case for X

CASE 1



CASE2

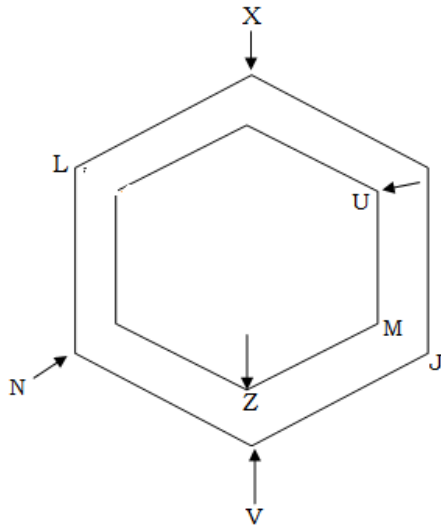


5. M sits opposite of J, both are faces same direction and does not sit in the same table.
6. J sits second to the right of N, who sits to the immediate left of V.
7. N and V are facing the same direction as X.
8. J does not sit in the same hexagon as U.

CASE 1eliminated (M is immediate neighbor of Z. V does not faces same direction as X)

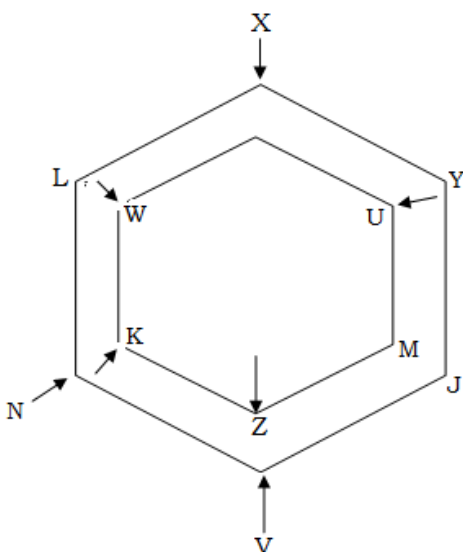
## Expected Concentric Diagram Based Seating Arrangement Questions for Upcoming Exam

CASE 2



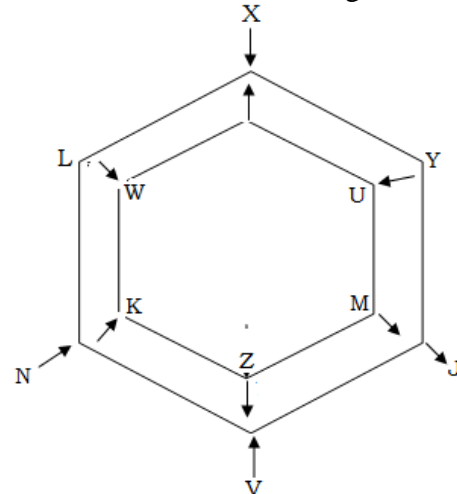
9. K and W are immediate neighbors and face the same direction.
10. Y sits opposite to the person, who sits second to the left of W.
11. Immediate neighbors of K faces opposite directions

CASE 2



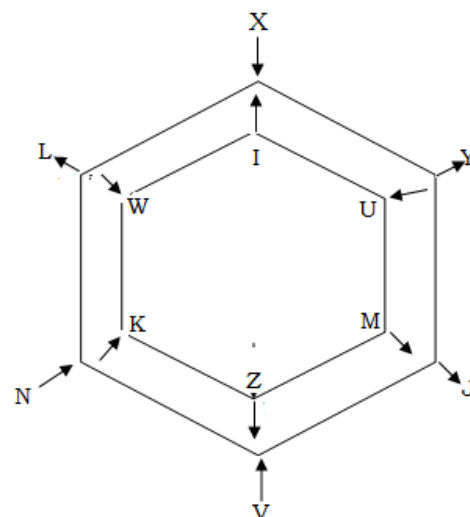
Note: It is given in inner hexagon equal number of person faces in and out. M and J faces outside

12. Equal number of persons is facing the same directions in the inner hexagon.



13. The immediate neighbors of the one who faces the person I are facing the opposite direction as W.

**Final Arrangement**



11. c

12. b

13. d (either 1 or 3 persons sit between them)

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**admin@exampundit.in**

## Expected Concentric Diagram Based Seating Arrangement Questions for Upcoming Exam

14. e (both are facing in same direction)

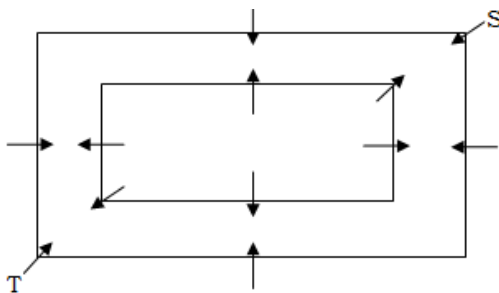
15. a

**Direction (16-20)**

**Explanation in detail:**

1. T sits on any of the corner.
2. There are exactly two persons sitting between T and S.
3. Four persons are sitting in the middle of the sides and two persons are sitting on diagonally opposite corners.

From the above information it clear diagram is like this shown below.

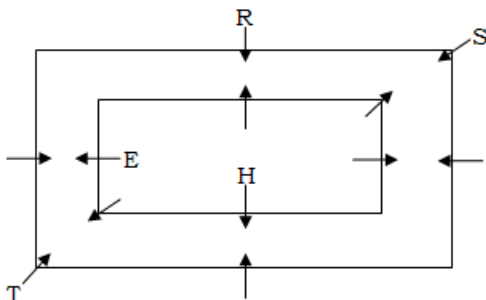


4. H sits second to the left of E.
5. Neither H nor E faces either S or T.
6. R is on the immediate left of the one who is facing E.

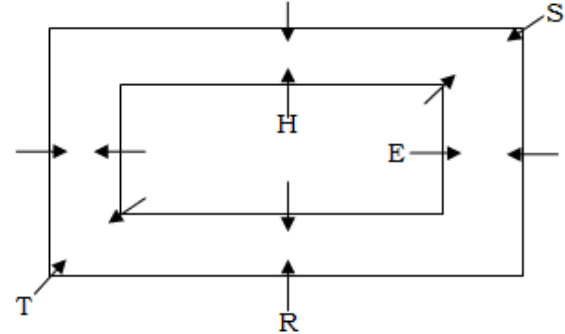
Two case for E

H and E Only sit at middle of the sides.

**CASE 1**



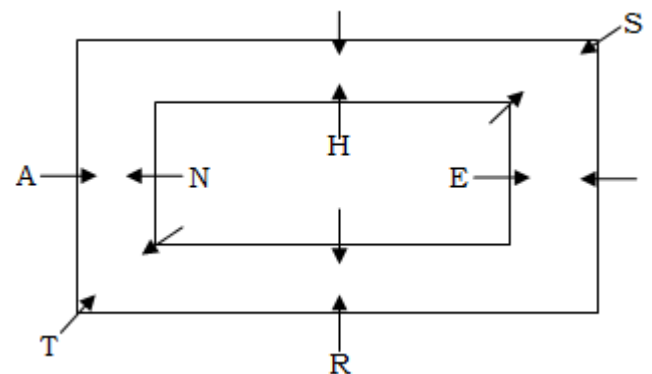
**CASE 2**



7. A is facing N
8. S is not sitting adjacent to A.

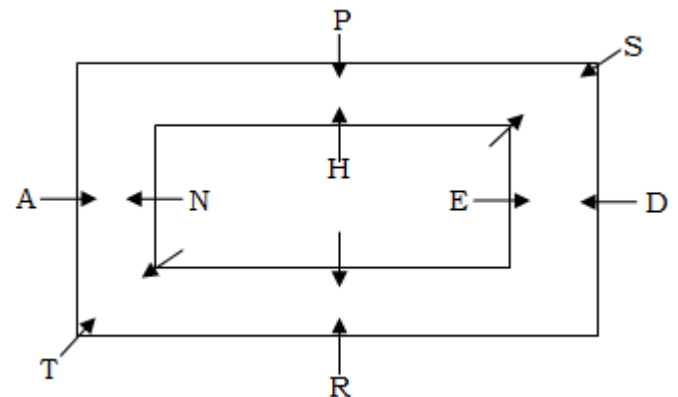
From here case 1 is eliminated as (no place for A)

**CASE 2**



9. D is not opposite R in the outer rectangle.

**CASE 2**

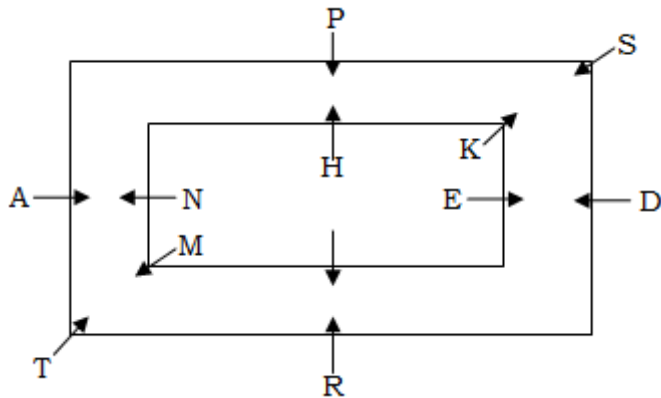


10. K is not facing T.
11. Between K and M there are as many persons as between R and P.

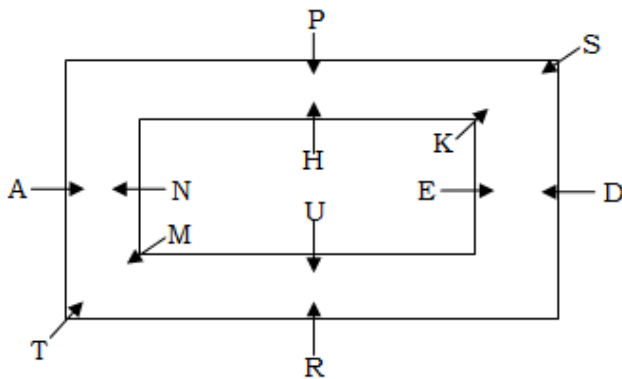


## Expected Concentric Diagram Based Seating Arrangement Questions for Upcoming Exam

CASE 2



### Final Arrangement



16.d

17.e

18.a

19.e

20.b

Direction (21-25)

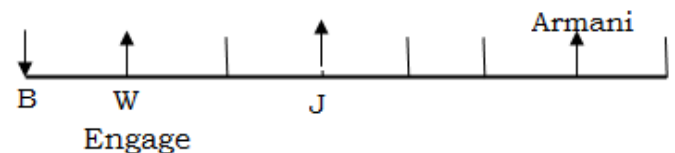
### Explanation in detail:

1. B is an immediate neighbour of W and sits in the extreme end of the line.
2. W sits second from the extreme end of the line and likes the Perfume liked by J in the circle.
3. J sits third to left of both B and the one who likes Armani Perfume in the straight line.
4. W is not an immediate neighbour of J, who likes Engage Perfume in the circle.

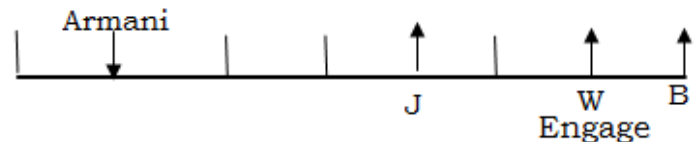
From here it is clear that W and J faces North direction as per given instruction. Because perfumes liked by W in circle and line are different. (The persons sitting in the outer circle faces north and likes different Perfume)

### Line Arrangement

CASE 1

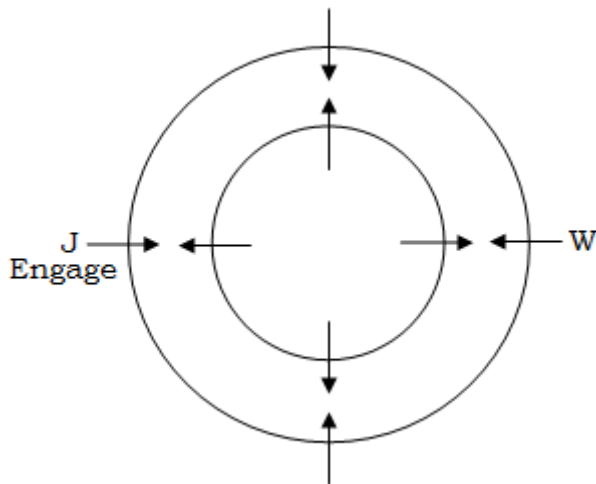


CASE 2



### Circle Arrangement

## Expected Concentric Diagram Based Seating Arrangement Questions for Upcoming Exam

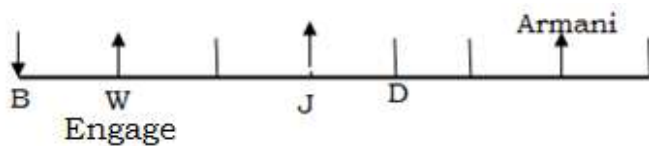


5. D sits second to the left of the one who likes Armani Perfume in the straight line.
6. U sits immediate right of K in the circle.
7. K and V faces each other

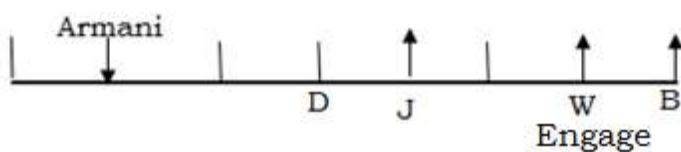
From here 2 case for K in circle

### Line Arrangement

#### CASE 1

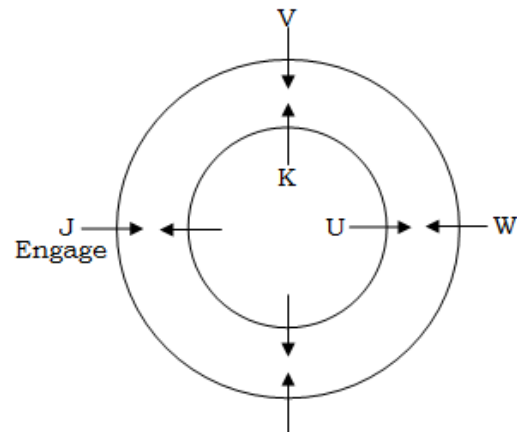


#### CASE 2

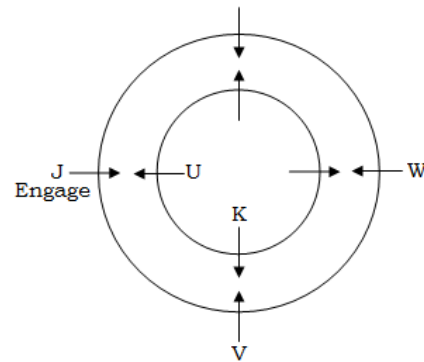


### Circle Arrangement

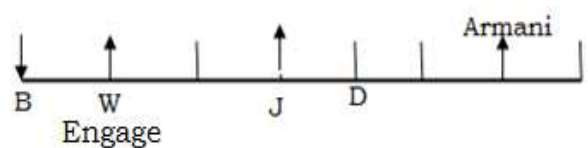
#### CASE 1



#### CASE 2



For CASE 1 Line Arrangement (B facing south so it is on inner circle)

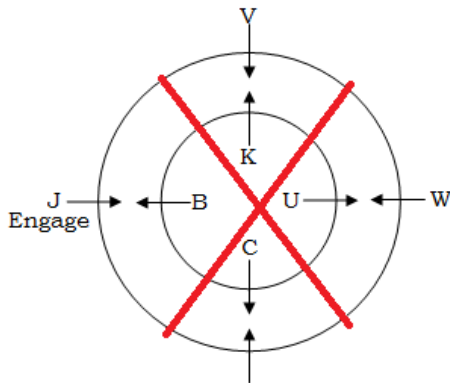


## Expected Concentric Diagram Based Seating Arrangement Questions for Upcoming Exam

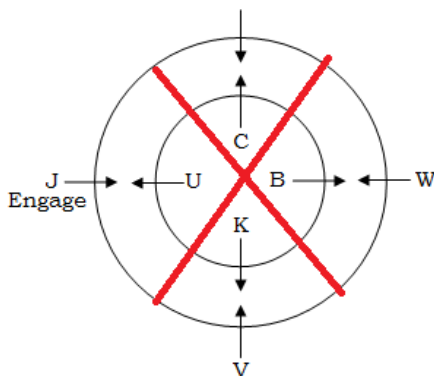
8. The person who likes Denver faces the person who sits immediate left of C in the circle.
9. J faces the person who sits to the immediate left in the straight line.
10. B faces the person who sits immediate left of D, who likes Boss Perfume

From we check the CASE 1 and CASE 2 of circle

CASE 1(J faces B which is wrong because B is not neighbour of J in CASE 1 Line arrangement)



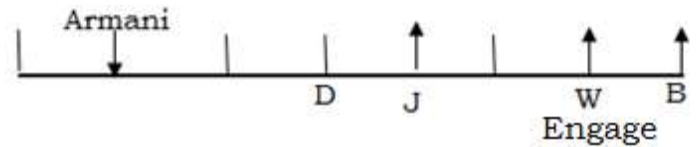
CASE 2 (The person who likes Denver faces the person who sits immediate left of C in the circle)



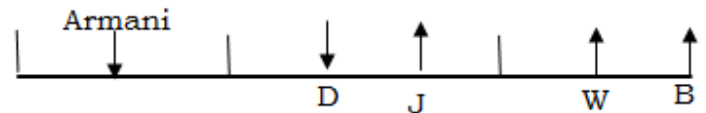
Here it clear that CASE 1 and CASE 2 of Circle wrong and B is in Outer circle.

CASE 1 of Line arrangement also eliminated

For CASE 2 of Line Arrangement

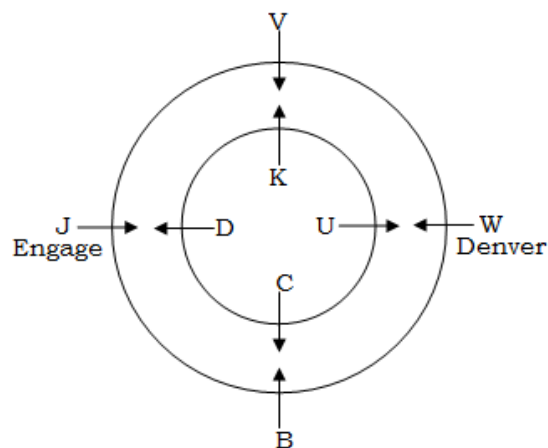


11. The person who likes Denver faces the person who sits immediate left of C in the circle.
12. J faces the person who sits to the immediate left in the straight line.
13. B faces the person who sits immediate left of D, who likes Boss Perfume



CASE 2 of Circle Arrangement Eliminated (D is immediate left of J so J have to face D but in CASE 2 of circle arrangement J faces U)

CASE 1



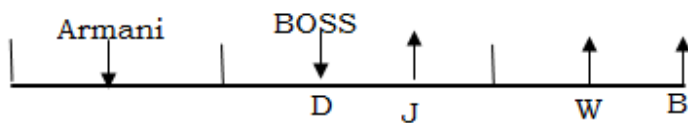
14. The person, who faces K in the circle, likes Fogg Perfumes in the straight line.
15. The person who likes Armani Perfume faces the person who likes Wild Stone Perfume.

## Expected Concentric Diagram Based Seating Arrangement Questions for Upcoming Exam

16. C neither likes Armani or Park Avenue Perfume while sitting in the circle.

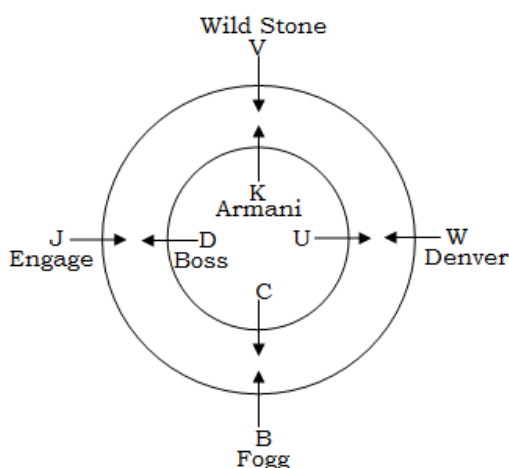
### Line Arrangement

#### CASE 2



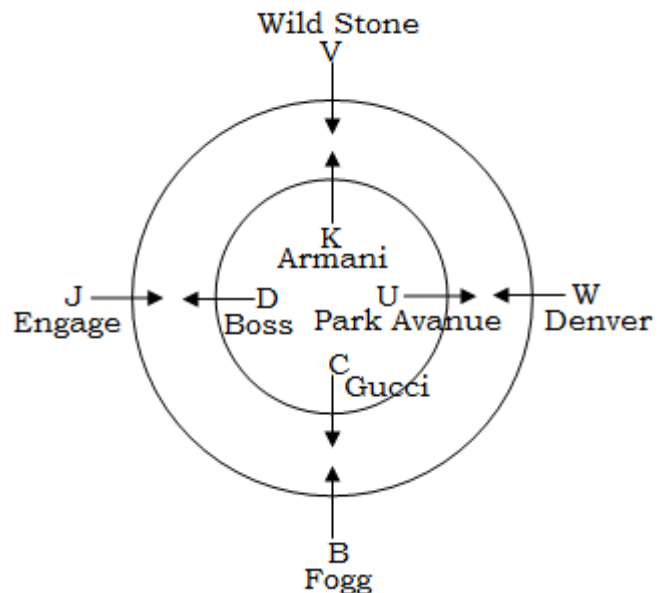
### Circle arrangement

#### CASE 1



17. C neither likes Armani or Park Avenue Perfume while sitting in the circle

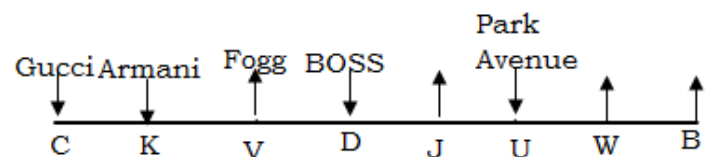
### Circle Final Arrangement



18. The person, who faces K in the circle, likes Fogg Perfumes in the straight line.

19. The person, who likes Gucci Perfume, sits second to the left of the one who likes Fogg Perfume in the straight line.

#### CASE 2



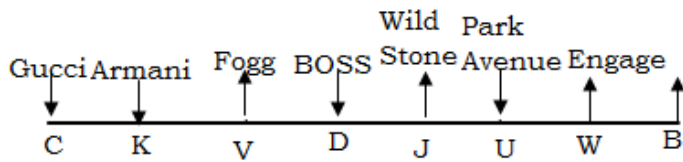
20. W sits second from the extreme end of the line and likes the Perfume liked by J in the circle

21. J doesn't like Denver Perfume in the straight line.

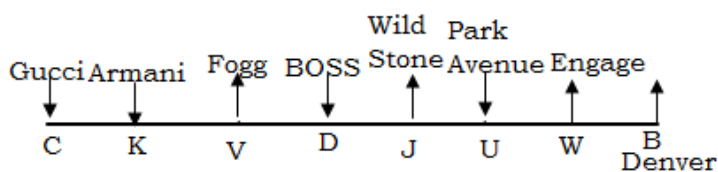
#### CASE 2



## Expected Concentric Diagram Based Seating Arrangement Questions for Upcoming Exam



### Line Final Arrangement



21.b

22.c

23.d

24.a

25.b

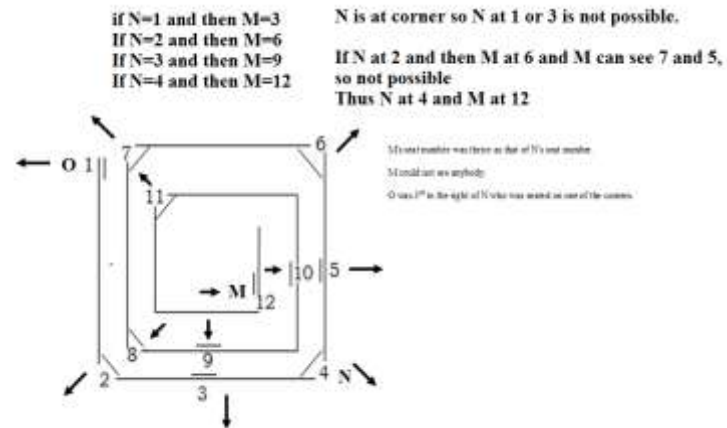
### Direction (26-30)

### Explanation in detail:

M's seat number was thrice as that of N's seat number.

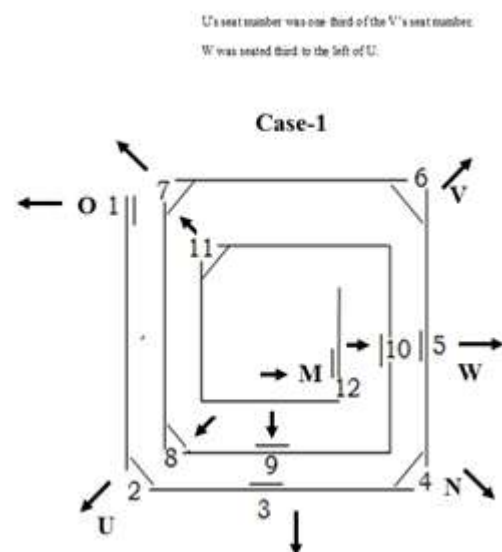
M could not see anybody.

O was 3<sup>rd</sup> to the right of N who was seated on one of the corners.



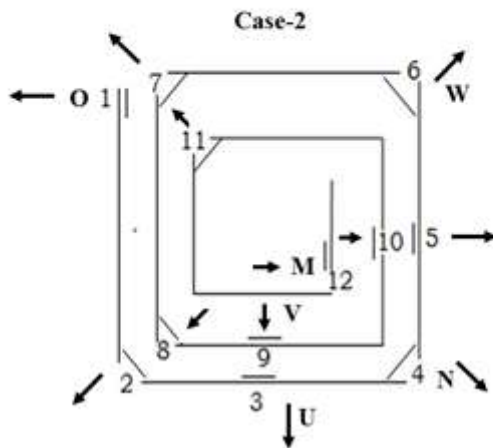
U's seat number was one third of the V's seat number.

W was seated third to the left of U.

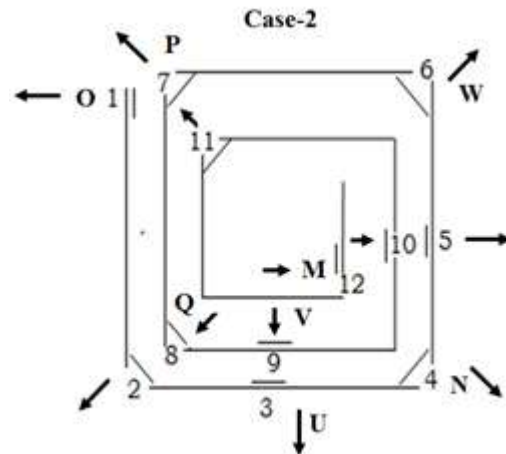


## Expected Concentric Diagram Based Seating Arrangement Questions for Upcoming Exam

if  $V=12$  and then  $U=4 \Rightarrow$  not possible since  $N$  sits at 4  
 If  $V=9$  and then  $U=3$  } possible  
 If  $V=6$  and then  $U=2$  }  
 If  $V=3$  and then  $U=1 \Rightarrow$  not possible since  $O$  sits at 1



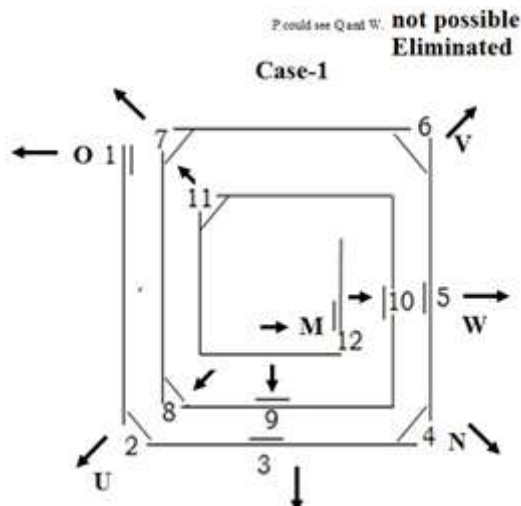
P could see Q and W.



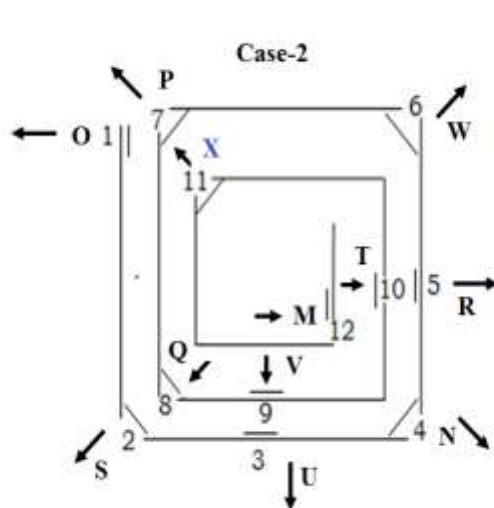
Sum of the seat numbers of S and Q was equal to the seat number of T.

R was seated 3<sup>rd</sup> to the left of S.

T could not see anybody.



## Expected Concentric Diagram Based Seating Arrangement Questions for Upcoming Exam



M, N, O, P, Q, R, S, T, U, V, W and X.

Sum of the seat numbers of S and Q was equal to the seat number of T.

R was seated 3<sup>rd</sup> to the left of S.

T could not see anybody.

Remaining positions left  
2, 5, 10, and 11

if T at 2 and can see O and U, so not possible  
if T at 5 and can see W and N, so not possible

**So T at 10 or 11, possible**

Given,  $S+Q=T$  We know  $Q=8$

If  $T=11$  and then  $S=3$  ( $11-8=3$ ), not possible since U sits at 3

If  $T=10$  and then  $S=2$  ( $10-8=2$ ), possible

Finally X sits at 11.

26.A

27.a

28.d

29.e

30.d

Direction (31-35)

Explanation in detail:

The following information is known about their initial arrangement:

1. Q's seat number was one third as that of P's seat number.

2. Q was seated to the immediate right of T.
3. Two persons sitting between U and S whose seat number was an even value.

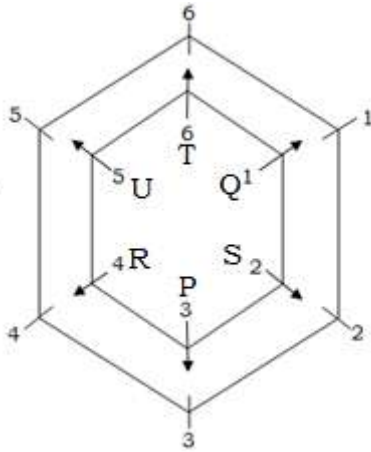
First we solve the inner Hexagon arrangement

Q = 1/3 P	T	S
1	3	2/4
2	6	1
		4

From above table it is clear that 4 is not possible for S because U is not opposite to S. so  $S = 2$ ,  $Q = 1$ ,  $P = 3$  and  $T = 6$

Final Inner arrangement is

## Expected Concentric Diagram Based Seating Arrangement Questions for Upcoming Exam



Now we have to move cricketers of inner hexagon as per given condition 1 and 2.

The numbers rolled by them were as follows:

1. P-5
2. Q-3
3. R-6
4. S-1
5. T-2
6. U-4

Each person rolled the dice only once alphabetically i.e. A rolled the dice followed by B and so on. They changed positions as per the number they rolled

If any required position is already taken by another person during the movements, then the person (who was to move) remains at his original position.

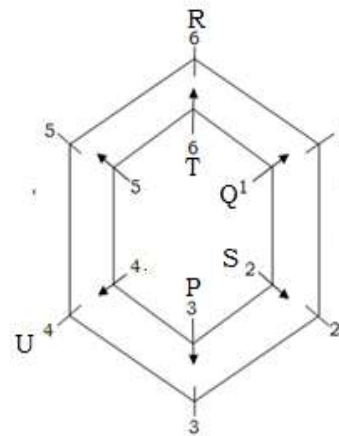
### Condition for movement

4. The person 1<sup>st</sup> to roll an even value moved to position 6 of the outer Ground. The person 2<sup>nd</sup> to roll an even value shifted to his immediate Right. The person 3<sup>rd</sup> to roll an even value moved to position 4 of the outer Ground.

First we move R then T and then U

Because first number of even rolled is 6 than 2 and last 4 in alphabetical order.

**New arrangement after First movement (Even value)**



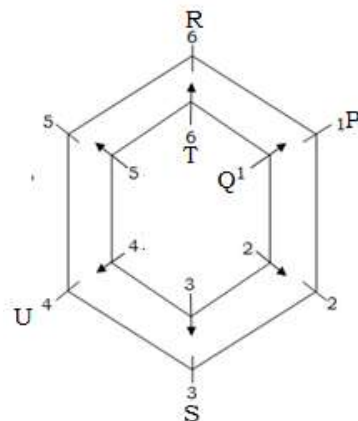
**T have to move at Q's position**

- T cannot move from their position as per note is given
5. The person 1<sup>st</sup> to roll an odd value moved to position 1 of the outer ground. The person 2<sup>nd</sup> to roll an odd value shifted to his immediate left. The person 3<sup>rd</sup> to roll an odd value moved to position 3 of the outer ground.

First we move P then Q and then S

**Because first number of Odd rolled is 5 than 3 and last 1 in alphabetical order**

**New arrangement after Second movement (odd value)**



**Q have to moves at T's position**

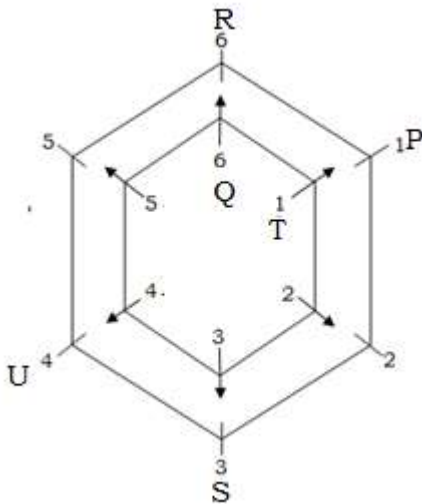


## Expected Concentric Diagram Based Seating Arrangement Questions for Upcoming Exam

Summary table (newly formed by myself)

P=5 (1 <sup>st</sup> odd)	P moves position 1 of outer table
Q=3 (2 <sup>nd</sup> odd)	Q moves to the immediate left
R=6 (1 <sup>st</sup> even)	R moves position 6 of outer table
S=1 (3 <sup>rd</sup> odd)	S moves position 3 of outer table
T=2 (2 <sup>nd</sup> even)	T moves to the immediate right
U=4 (3 <sup>rd</sup> even)	U moves position 4 of outer table

Final Arrangement (figure modified)



S was seated along one of the sides.

T's seat number was twice as that of S's seat number.

Note: No one remains at original position since the condition is given during movements i.e. during movements no one occupied others place.

31. d

32. a

33. a

34. c

35. b

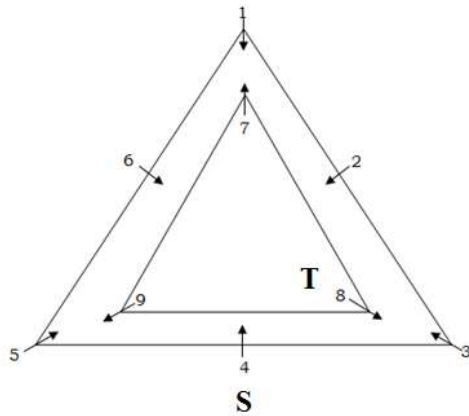
Direction (36-40)

## Expected Concentric Diagram Based Seating Arrangement Questions for Upcoming Exam

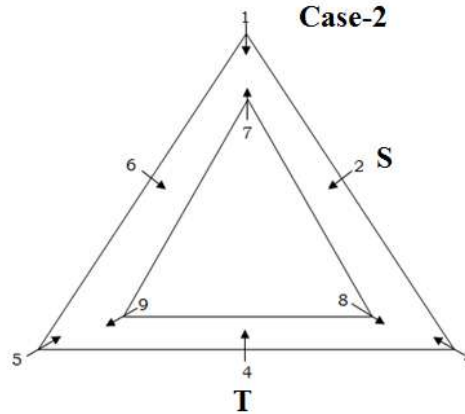
S was seated along one of the sides.

T's seat number was twice as that of S's seat number.

**Case-1**

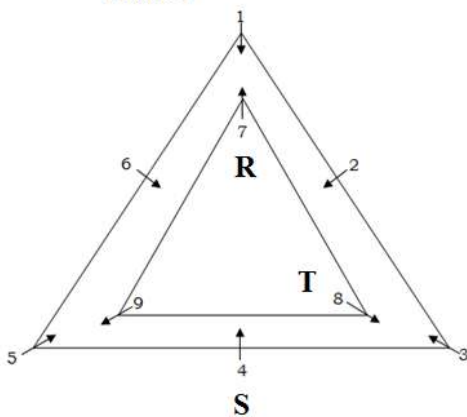


**Case-2**

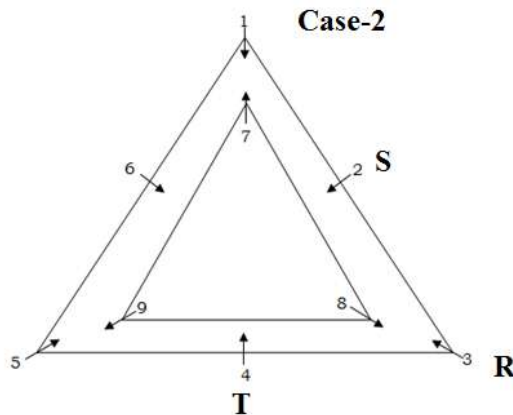


R and T were seated at consecutive seat numbers.

**Case-1**

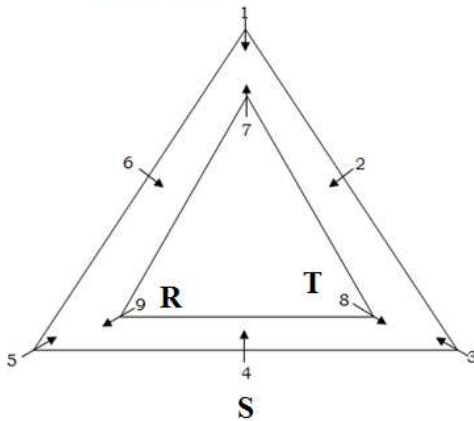


**Case-2**

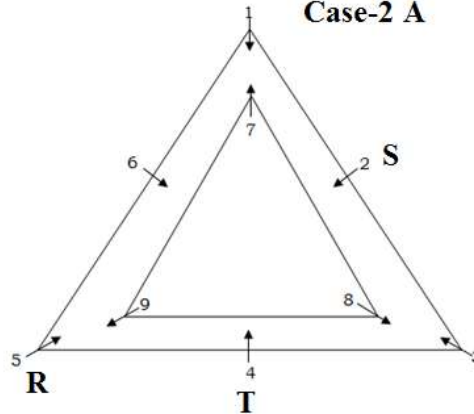


## Expected Concentric Diagram Based Seating Arrangement Questions for Upcoming Exam

Case-1A

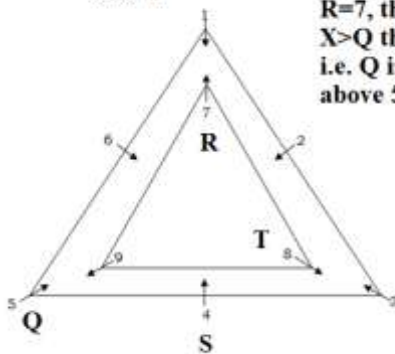


Case-2 A



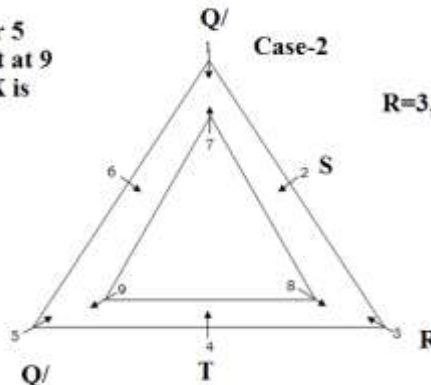
Difference between R's seat number and Q's seat number was 2.  
X's seat number was more than that of Q's seat number.

Case-1



R=7, then Q= 9 or 5  
X>Q then Q is not at 9  
i.e. Q is at 5 and X is above 5

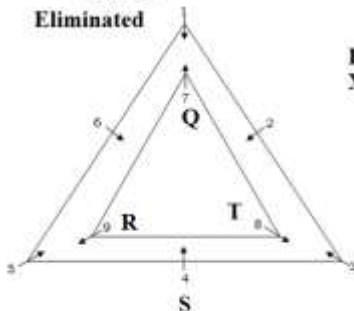
Case-2



R=3, then Q= 1 or 5

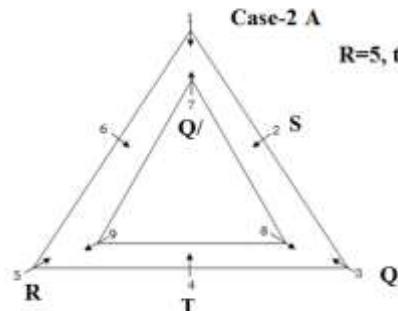
Difference between R's seat number and Q's seat number was 2.  
X's seat number was more than that of Q's seat number.

Case-1A  
Eliminated



R=9, then Q= 7  
X>Q then X must 8  
but T at 8  
so not possible

Case-2 A



R=5, then Q= 7 or 3

P was seated to the Immediate right of the one whose seat number was thrice as that of U's seat number

## Expected Concentric Diagram Based Seating Arrangement Questions for Upcoming Exam

P was seated to the immediate right of the one whose seat number was thrice as that of U's seat number

If U=1 and its thrice is 3 and 3's imm right is 2 i.e. P sits at 2 (1st possibility)

If U=2 and its thrice is 6 and 6's imm right is 5 i.e. P sits at 5 (2nd possibility)

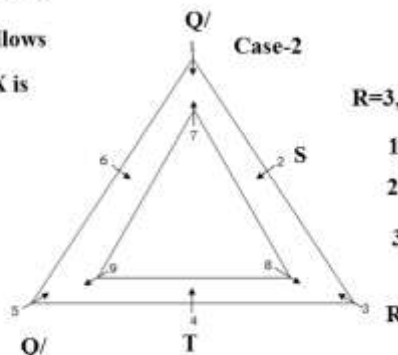
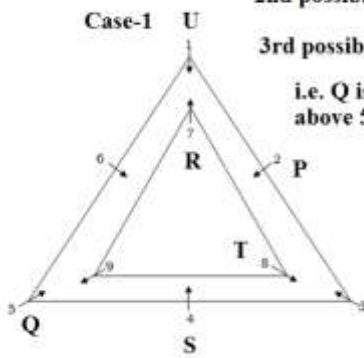
If U=3 and its thrice is 9 and 9's imm right is 7 i.e. P sits at 7 (3rd possibility)

1st possibility follows

2nd possibility not follows

3rd possibility not follows

i.e. Q is at 5 and X is above 5



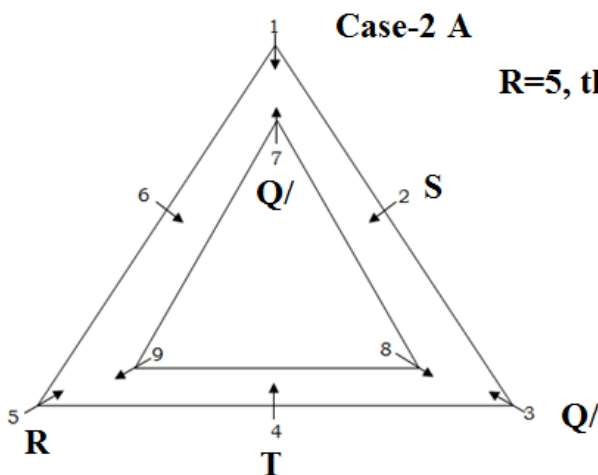
R=3, then Q= 1 or 5

1st possibility not follows

2nd possibility not follows

3rd possibility not follows

Hence eliminated



R=5, then Q= 7 or 3

1st possibility not follows

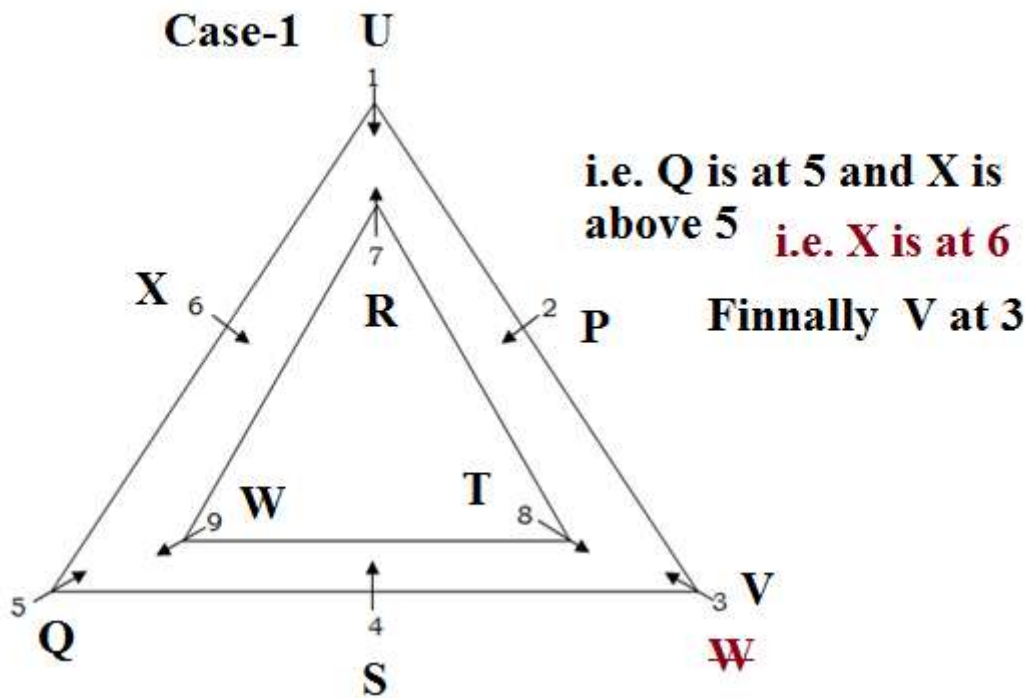
2nd possibility not follows

3rd possibility not follows

Hence eliminated

W was seated at one of the corners but was not neighboring S.

## Expected Concentric Diagram Based Seating Arrangement Questions for Upcoming Exam



36. a

37. d

38. b

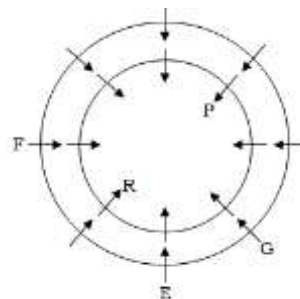
39. c

40. e

**Direction (41-45)**

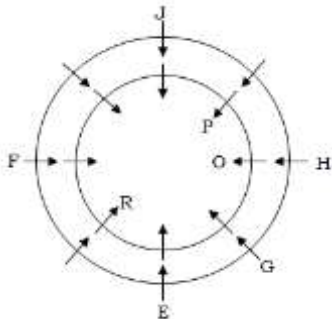
**Explanation in detail**

1. P sits 3<sup>rd</sup> to the right of the one who sits ahead of E
2. F sits second to the left of E
3. G sits immediate right of E.
4. R sits immediate right of the person, who sits ahead of F.

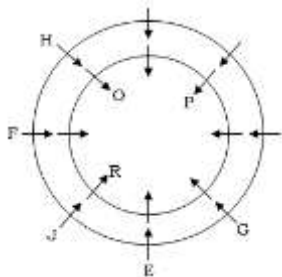


5. H sits behind of O.
  6. J sit 2<sup>nd</sup> to the right of H.
- Two cases for H  
CASE 1

## Expected Concentric Diagram Based Seating Arrangement Questions for Upcoming Exam

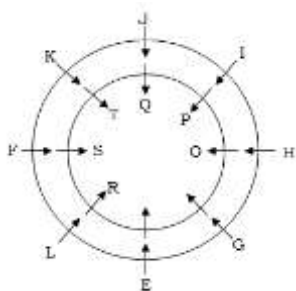


CASE 2

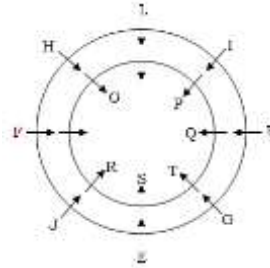


- 7. L is not an immediate neighbor of J.
- 8. K sits 2<sup>nd</sup> to the left of L.
- 9. Q and S are immediate neighbors of T.

CASE 1



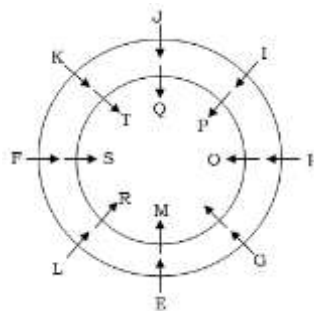
CASE 2



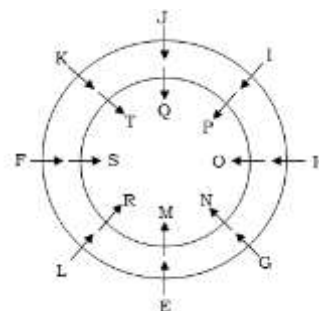
- 10. M is not an immediate neighbor of O.

CASE 2 was eliminated (M is not an immediate neighbor of O)

CASE 1



Final Arrangement



41.b

42. e

43. e



## Expected Concentric Diagram Based Seating Arrangement Questions for Upcoming Exam

44. b

45. d

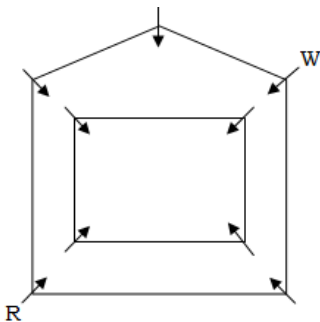
**Direction (46-50)**

**Explanation in detail**

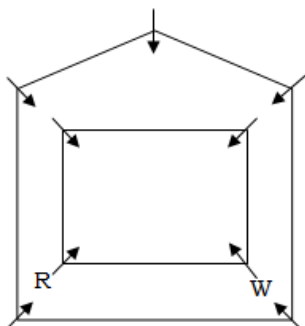
1. W is sitting third to the left of R.

Two case for R (either R is in Pentagon or in square).

CASE 1



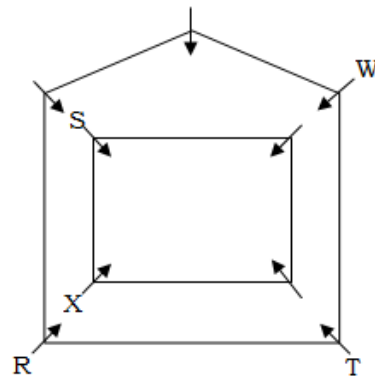
CASE 2



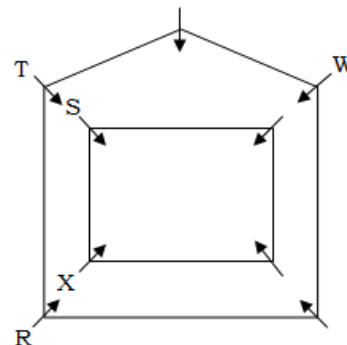
2. X is exactly ahead or behind of R.
3. S is sitting third to the right of X.
4. T is the immediate neighbor of R.

Now here two case for T in CASE 1

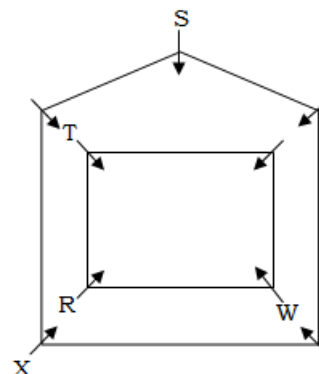
CASE 1a



CASE 1b



CASE 2



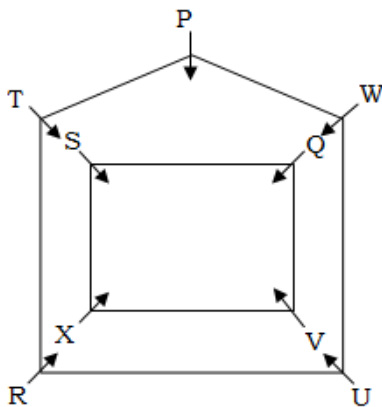
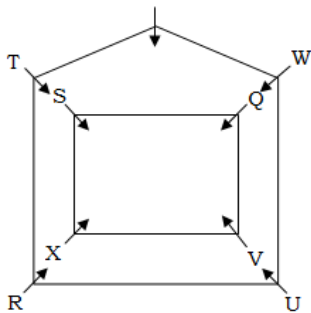
## Expected Concentric Diagram Based Seating Arrangement Questions for Upcoming Exam

5. P is not the immediate neighbour of U.
6. V sits on the immediate left of Q.
7. U is neither the immediate neighbour of T nor X.

From here Case 1a eliminated (If we fix the position of V and Q then P and U always together which is not possible according to statements given)

Case 2 also eliminated (In this case U is always neighbour of either X or T which is not possible)

CASE 1b



### Final Arrangement

46.c

47.d

48.e

49.a

50.A

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