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Study Material for SBI PO 2019 | Circular Seating Arrangement Puzzle for SBI PO 2019 and IBPS PO 2019 at Smartkeeda

SEATING ARRANGEMENT QUIZ 70

Directions: Read the given information carefully and answer the questions given below:

Eight persons P to W are seated around a circular table in such a way that four of them are facing towards the centre and four of them are facing away from the centre but not necessarily in the same order. Each of them likes different cricket players among Sachin, Dravid, Sehwag, Dhoni, Virat, Ganguly, Yuvraj and Dhawan but not necessarily in the same order.

R sits second to the left of V who likes Yuvraj. Three persons sit between R and the one who likes Dravid, both of them face each other. Two persons sit between the one who likes Dravid and U. Immediate neighbors of U face opposite to each other (If one facing the center other facing away from the center or vice versa). W sits third to the right of Q, who is an immediate neighbor of U. T and P are immediate neighbors, one of them is an immediate neighbor of V. W likes Ganguly. The ones who like Virat and Dhoni sit opposite to each other, both of them are facing away from the center. The one who likes Dhawan sits to the immediate right of the one who likes Dhoni. Not more than two persons facing same direction sit together. U and Q do not like Sehwag.

1. Who among the following persons likes Virat?

- A. T B. P C. S
D. Q E. Cannot be determined

2. Who among the following persons sits third to the right of the person who likes Sachin?

- A. The one who likes Ganguly
- B. The one who likes Dhawan
- C. The one who likes Virat
- D. The one who likes Yuvraj
- E. None of these

3. If T is one of the immediate neighbors of V, then who among the following persons sits to the immediate right of the person who likes David?

- A. P
- B. T
- C. V
- D. Either T or P
- E. Cannot be determined

4. How many persons sit between the one who likes Sehwag and V, if counted from the right of V?

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

5. Which of the following statements is definitely true?

- A. T sits opposite to the one who likes Dhawan.
- B. P and U sit opposite to each other, both of them are facing away from the centre.
- C. The one who likes Yuvraj and the one who likes Sachin sit opposite to each other, both of them are facing towards the centre.
- D. Number of persons sit between U and T is same as P and R.
- E. None of the above

Correct answers:

1	2	3	4	5
E	A	B	B	E

Common Explanation

References:

Three persons sit between R and the one who likes David, both of them face each other.

R sits second to the left of V who likes Yuvraj.

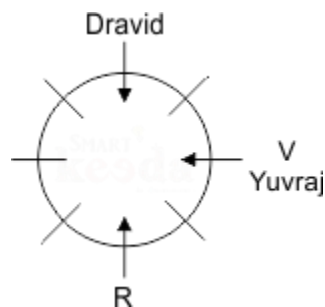
Inferences:

From above statements,

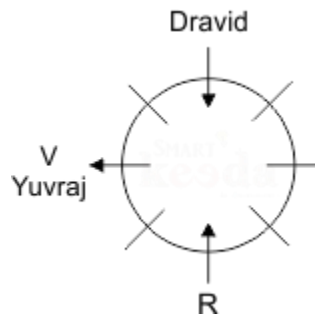
R and the one who likes David are sitting opposite to each other and both are facing inside the circle.

R sits second to the left of V who likes Yuvraj. Here, V faces either inside or outside the circle. Thus we get two possibilities as shown in initial seating.

Case: 1



Case: 2



References:

Two persons sit between the one who likes Dravid and U.

W sits third to the right of Q, who is an immediate neighbor of U.

W likes Ganguly.

Immediate neighbors of U face opposite to each other (If one facing the center other facing away from the center or vice versa).

Inferences:

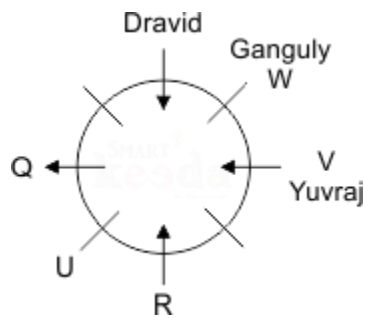
From above statements,

Two persons sit between the one who like Dravid and U. Also, Q and U are immediate neighbors. W likes Ganguly sits third to the right of Q.

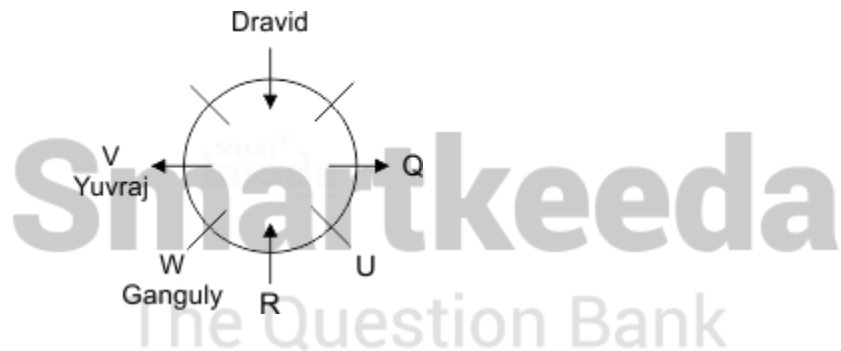
Note: R is one of the immediate neighbors of U in both cases and R faces inside the circle. Therefore, Q is the other immediate neighbors of U must face outside the circle as per given statement.

By using above information, we get the following case as shown below.

Case: 1



Case: 2



References:

T and P are immediate neighbors; one of them is an immediate neighbor of V.

The ones who like Virat and Dhoni sit opposite to each other, both of them are facing away from the center.

The one who likes Dhawan sits to the immediate right of the one who likes Dhoni.

Inferences:

From above statements,

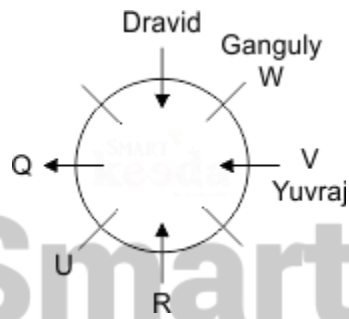
In case-1, there is no place for T and P (two places together and one of

them is an immediate neighbor of V). Therefore this case become invalid and it can be eliminated.

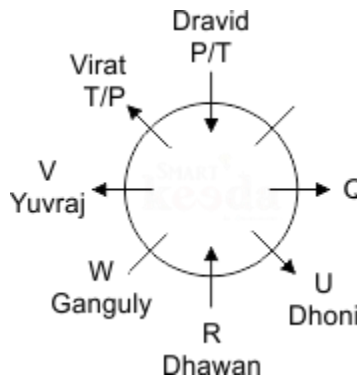
In case-2, either T or P sits to the immediate right of V. With respect to second reference point, either T or P likes Virat and U likes Dhoni & both of them are facing away from the center (only possibility). Finally, R likes Dhawan sits to the immediate right of U (likes Dhoni).

By using above information, we get the following case as shown below.

Case: 1 [Eliminated]



Case: 2



References:

Not more than two persons facing same direction sit together.

U and Q do not like Sehwaag.

Inferences:

From above statements,

Q does not like Sehwag and then Q likes Sachin.

Finally, S likes Sehwag and sits to the immediate left of Q. S faces inside the circle i.e. Maximum 2 persons facing same direction sit together. Similarly, W also faces inside the circle.

Note: Either T or P likes either Virat or Dravid. Thus we get the completed seating as shown below.

Case: 2



Explanatons:

1.

Following the common explanation, we get "Cannot be determined".

Either T or P likes Virat.

Hence, option E is correct.

2.

Follownig the common explanation, we get "The one who likes Ganguly".

W (likes Ganguly) sits third to the right of Q (likes Sachin).

Hence, option A is correct.

3.

Following the common explanation, we get "T".'

As per given condition, T likes Virat and P likes Dravid. T sits to the immediate right of P.

Hence, option B is correct.

4.

The following common explanation, we get "Two".

V (likes Yuvraj) sits 3rd to the right of S (likes Sehwag) i.e. only two persons sit between V and S, if counted from the right of V.

Hence, option B is correct.

5.

Following the common explanation, we get "None of the above".

All statements are false.

Hence, option E is correct.



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