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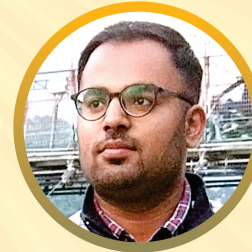
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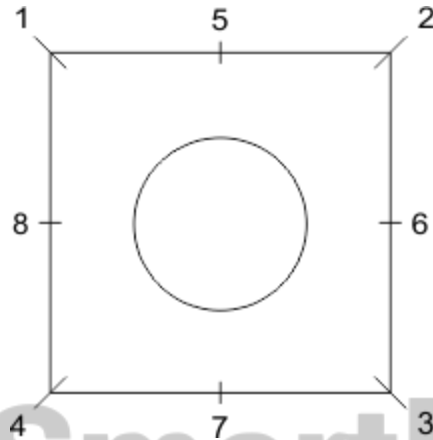
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Seating Arrangement for SBI PO Mains, IBPS PO Mains and RBI Grade B Exams.

SA Set No 136

Directions: Study the following information carefully and answer the questions given beside.

Eight persons – Dinesh, Arush, Jolly, Gopal, Fahim, Govind, Hitesh and Jacky are sitting around the inner circle at an equal distance from each other. Four of them are facing towards the center while four are facing outside the center.



Only two persons are sitting between Arush and Dinesh. Hitesh sits second right of Dinesh. Gopal and Hitesh are immediate neighbours. Jolly sits third left of Gopal. Both Dinesh and Arush are facing outside the center. Gopal is facing opposite direction of Arush. Fahim sits immediate right of Hitesh who is facing same direction as Dinesh. Jacky sits second left of Jolly. Both Jacky and Fahim are facing same direction.

Now they start playing cards game. They shuffled a pack of cards. Each of them draws a card according alphabetical order of their names and changes position according to the conditions given below:

1. If the card drawn is spade, the person who draws first moves to position 5 facing opposite direction of current direction, then the second person who also draw spade moves to position 6, similarly 7 and 8.
2. If card drawn is heart, person remains on the same position facing same direction.
3. If the card drawn is diamond, the person who draws first moves to corner 1 facing same direction, then the second person, who also draw diamond moves to corner 2, similarly 3 and 4.
4. If card drawn is club, person remains on the same position facing opposite direction of current direction.

Draws:

- A. Dinesh draws Ace of Club.
- B. Arush draws 8 of Club.
- C. Jolly draws 10 of Spade.
- D. Gopal draws a King of Diamond.
- E. Fahim draws Jack of Spade.
- F. Govind draws Queen of Heart.
- G. Hitesh draws 2 of Heart.
- H. Jacky draws 7 of Diamond.

1. After all persons changed their places based on the above conditions, then who among the following was sitting at the position 6 of the rectangle?

- A. Dinesh B. Govind C. Jolly D. Jacky E. Hitesh

2. After all persons changed their places based on the above conditions, then who among the following was not sitting in the circle?

- A. Fahim B. Ayush C. Hitesh D. Jolly E. Other than these options

3. After all persons changed their places based on the above conditions, then who among the following acquired the lowest position in the rectangle?

- A. Gopal B. Arush C. Fahim D. Jacky E. Jolly

4. After all persons changed their places based on the above conditions, then who among the following was sitting third to the right of Arush?

- A. No one B. Gopal C. Govind D. Hitesh E. Jolly

5. After all persons changed their places based on the above conditions, then both position and direction of how many person(s) is same as before?

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

Correct Answers:

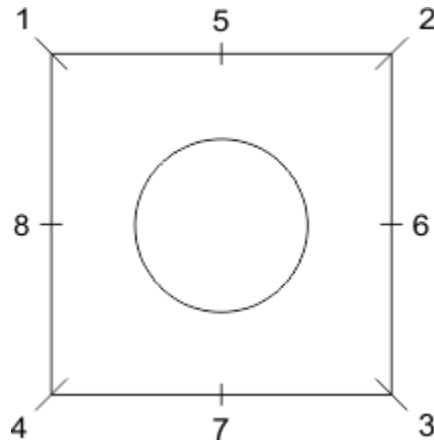
1	2	3	4	5
C	E	A	D	B



Common explanation :

Reference:

Eight persons – Dinesh, Arush, Jolly, Gopal, Fahim, Govind, Hitesh and Jacky are sitting around the circle at an equal distance from each other. Four of them are facing towards the center while four are facing outside the center.



Inference:

We will keep this information in mind while solving the puzzle.

Reference:

Both Dinesh and Arush are facing outside the center.

Hitesh sits second right of Dinesh.

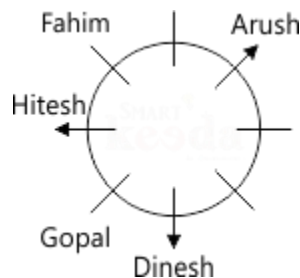
Fahim sits immediate right of Hitesh who is facing same direction as Dinesh.

Gopal and Hitesh are immediate neighbours.

Only two persons are sitting between Arush and Dinesh.

Inference:

Using the above hints we can fix the position of Dinesh, Fahim, Hitesh, Arush and Gopal in the inner circle.



Reference:

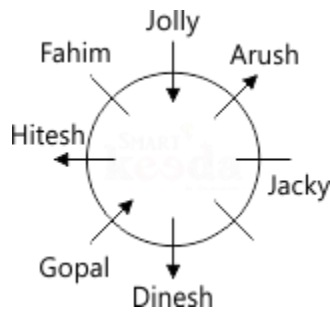
Jolly sits third left of Gopal.

Gopal is facing opposite direction of Arush.

Jacky sits second left of Jolly.

Inference:

Using the above hints we can fix the position of Jolly and Jacky in the inner circle.

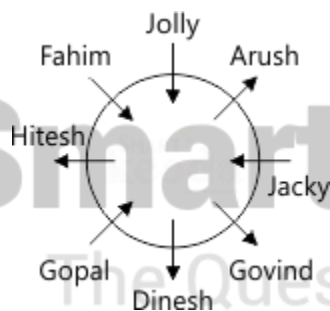


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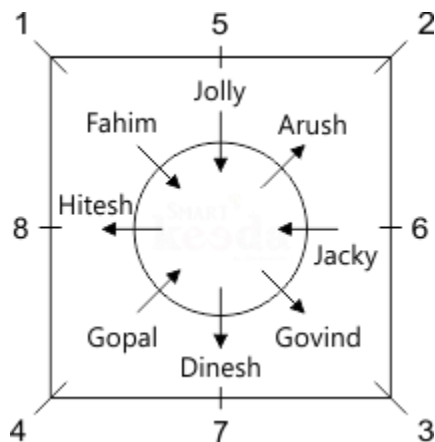
Both Jacky and Fahim are facing same direction.

Inference:

At this point the only possible scenarios in which both Jacky and Fahim can face the same direction is when both of them faces towards the centre. And after that we can fix the position of Govind easily in the circle.



As we know that the circle was surrounded by a square then:



Reference:

Now they start playing cards game. They shuffled a pack of cards. Each of them draws a card according alphabetical order of their names and changes position according to the conditions given below:

1. If the card drawn is spade, the person who draws first moves to position 5 facing opposite direction of current direction, then the second person who also draw spade moves to position 6, similarly 7 and 8.
2. If card drawn is heart, person remains on the same position facing same direction.

3. If the card drawn is diamond, the person who draws first moves to corner 1 facing same direction, then the second person, who also draw diamond moves to corner 2, similarly 3 and 4.
4. If card drawn is club, person remains on the same position facing opposite direction of current direction.

Inference:

Using the above hints we can say that the order of drawing cards will be:

1. Arush
2. Dinesh
3. Fahim
4. Gopal
5. Govind
6. Hitesh
7. Jacky
8. Jolly

Now, we will sit these according to the above conditions and the card drawn by them.

Reference:

Draws:

- A. Dinesh draws Ace of Club.
- B. Arush draws 8 of Club.
- C. Jolly draws 10 of Spade.
- D. Gopal draws a King of Diamond.
- E. Fahim draws Jack of Spade.
- F. Govind draws Queen of Heart.
- G. Hitesh draws 2 of Heart.
- H. Jacky draws 7 of Diamond.

Inference:

As we have already figured out the order in which the cards are drawn by each of the person and with the above information we can figure out the card drawn by each of the person.

1. Arush draws 8 of Club.
2. Dinesh draws Ace of Club.
3. Fahim draws Jack of Spade.
4. Gopal draws a King of Diamond.
5. Govind draws Queen of Heart.
6. Hitesh draws 2 of Heart.
7. Jacky draws 7 of Diamond.
8. Jolly draws 10 of Spade.

Reference:

1. If the card drawn is spade, the person who draws first moves to position 5 facing opposite direction of current direction, then the second person who also draw spade moves to position 6, similarly 7 and 8.
2. If card drawn is heart, person remains on the same position facing same direction.



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3. If the card drawn is diamond, the person who draws first moves to corner 1 facing same direction, then the second person, who also draw diamond moves to corner 2, similarly 3 and 4.
4. If card drawn is club, person remains on the same position facing opposite direction of current direction.

Inference:

Now, we will seat these persons according to the given hints.

1. Arush draws 8 of Club.

Here, condition 4 will be applied so Arush will sit at the same position but face towards the centre.

2. Dinesh draws Ace of Club.

Here, condition 4 will be applied again so Dinesh will sit at the same position but face towards the centre.

3. Fahim draws Jack of Spade.

Here, condition 1 will be applied so Fahim will sit at position 5 but face away from the centre.

4. Gopal draws a King of Diamond.

Here, condition 3 will be applied so Gopal will sit at position 1 but face towards the centre.

5. Govind draws Queen of Heart.

Here, condition 2 will be applied so Govind will sit at the same position and face away from the centre.

6. Hitesh draws 2 of Heart.

Here, condition 2 will be applied again so Hitesh will sit at the same position and face away from the centre.

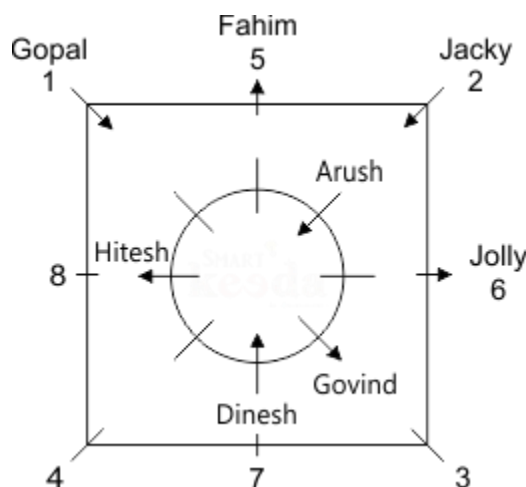
7. Jacky draws 7 of Diamond.

Here, condition 3 will be applied for second time so Jacky will sit at position 2 but face towards the centre.

8. Jolly draws 10 of Spade.

Here, condition 1 will be applied for second time so Jolly will sit at position 6 but face away from the centre.

After applying the above conditions in same order these persons can be seated as:



Explanations:

1. Following the final solution we can say that after all persons changed their places based on the above conditions, then Jolly was sitting at the position 6 of the rectangle.

Hence the correct answer is option C.

2. Following the final solution we can say that after all persons changed their places based on the above conditions, then both Fahim and Jolly was not sitting in the circle.

Hence the correct answer is option E.

3. Following the final solution we can say that after all persons changed their places based on the above conditions, then Hitesh was sitting third to the right of Arush.

Hence the correct answer is option A.

4. Following the final solution we can say that after all persons changed their places based on the above conditions, then Hitesh was sitting third to the right of Arush.

Hence the correct answer is option D.

5. Following the final solution we can say that after all persons changed their places based on the above conditions, then both position and direction of two persons is same as before.

Hence the correct answer is option B.



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