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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 71

Directions: Study the following information carefully and answer the questions given below:

Nine persons – Lata, Prem, Deep, Avi, Roop, Geet, Kunj, Joy and Meet are sitting in a row facing in North and South directions not necessarily in the same order. All of these persons comprise a family divided among three generations.

The following information is also known about them:

Deep who is Lata's father sits fourth to the right of Prem who is the only daughter of Roop and they both face in the opposite directions. Avi sits third to the right of Geet who is Prem's grandmother and one of them sits adjacent to Meet. Avi is unmarried and faces in a direction similar to that of Kunj. Roop who is the sister of Avi sits at one of the ends with a female. Deep's neighbours are females and face in opposite directions. Geet's spouse Deep faces in the North direction. Meet who is the wife of Kunj sits exactly in the middle of the row facing in South direction. Lata, who is male, is the only sibling of Kunj sits exactly between Avi and Prem's cousin who is a male. The people sitting at ends face in North direction. Lata faces in same direction as that of Geet. Deep sits adjacent to Meet.

1. How is the one who sit at the extreme right of the row related to Deep?

- A. Daughter B. Son C. Wife
D. Son in law E. Daughter in Law

2. Who among the following sits third to the right of Kunj?

- A. No one B. Kunj's Wife C. Kunj's Daughter
D. Kunj's Father E. Kunj's Sister in law

3. How many females sit between Lata's spouse and Prem's cousin?

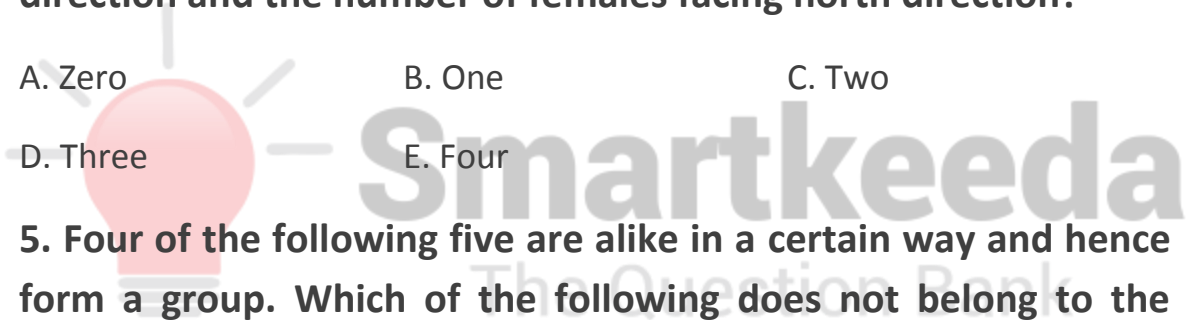
- A. None B. Three C. More than three
D. One E. Two

4. What is difference between the number of males facing south direction and the number of females facing north direction?

- A. Zero B. One C. Two
D. Three E. Four

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

- A. Geet B. Roop C. Lata
D. Kunj E. Meet



Correct answers:

1	2	3	4	5
E	A	C	B	A

Common Explanation:

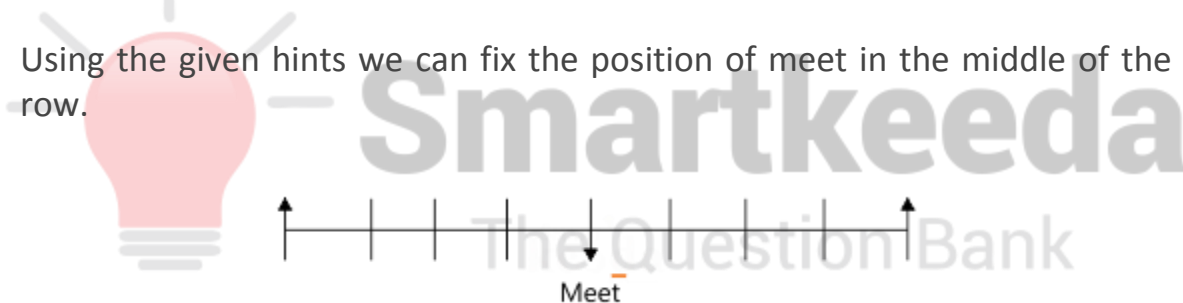
Reference:

The people sitting at ends face in North direction.

Meet who is the wife of Kunj sits exactly in the middle of the row facing in South direction.

Inference:

Using the given hints we can fix the position of meet in the middle of the row.



Blood Chart A:

[Kunj⁺ Meet⁻]

Reference:

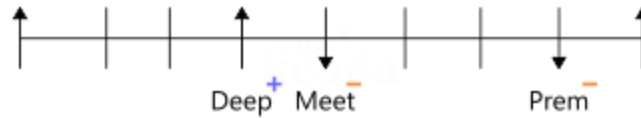
Deep sits adjacent to Meet.

Geet's spouse Deep faces in the North direction.

Deep who is Lata's father sits fourth to the right of Prem who is the only daughter of Roop and they both face in the opposite directions.

Inference:

Using the given hints we can fix the position of Deep and Prem on the row.



Here, with the help of above hints following blood charts can also be drawn:

Blood Chart B:



Blood Chart C:



Reference:

Deep's neighbours are females and face in opposite directions.

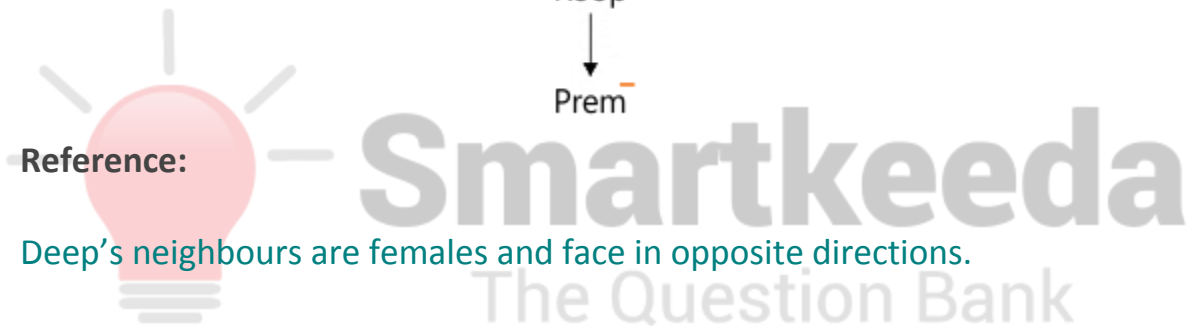
Avi sits third to the right of Geet who is Prem's grandmother and one of them sits adjacent to Meet.

Lata, who is male, is the only sibling of Kunj sits exactly between Avi and Prem's cousin who is a male.

Lata faces in same direction as that of Geet.

Inference:

At this point there are two possible scenarios in which we can fix the positions of Geet and Avi in the row.

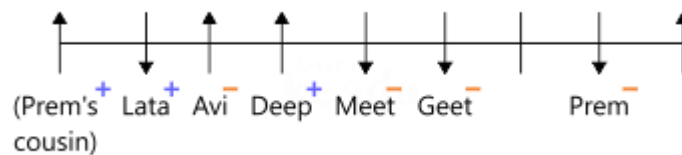


Case I:



Here, we cannot fix the position of Lata as per hint number 3 in case I without contradicting the above hints. So, we can say that **case I is an invalid case.**

Case II:



Here, we have one more hint that Geet is Prem's grandmother at this point we cannot use this information as doing this we will make our puzzle more complex so we will keep this information in our mind and use it later.

Using the above hints we can merge our blood charts A and B as follows to form chart D:

Blood Chart D:



Here, we will make a mental note of an information that Prem has a cousin who is male.

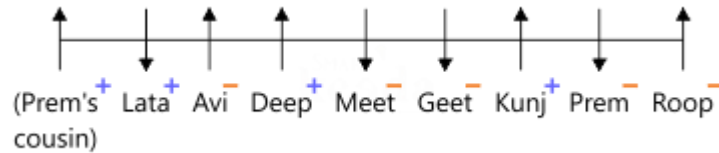
Reference:

Avi is unmarried and faces in a direction similar to that of Kunj.
Roop who is the sister of Avi sits at one of the ends with a female.

Inference:

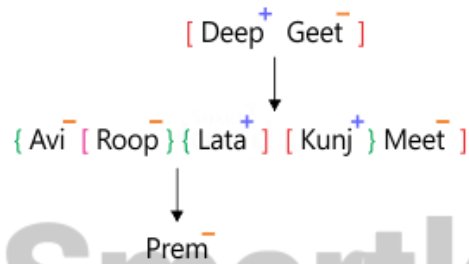
Using the above hints we can fix the positions of Kunj and Roop in the row easily.

Case II:



After using the above hints we can merge our blood charts C and D as follows to make chart E:

Blood Chart E:

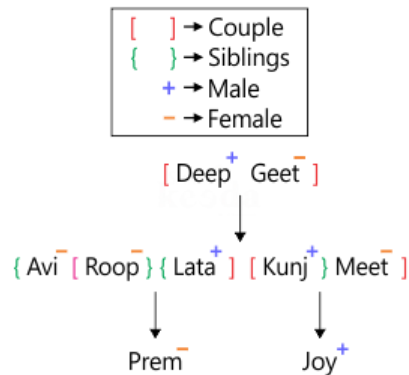


At this point there is only place left in the row where we can fix the position of Joy and after placing Joy at the extreme end left of the row we can say that Joy is the cousin of Prem and the son of Kunj and Meet.

Case II:



Blood Chart E:



Here, both seating arrangement and blood chart is completed.



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