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Seating arrangement questions for IBPS PO Pre, IBPS SO Pre, IBPS Clerk, SBI PO Pre and SBI Clerk exams

SEATING ARRANGEMENT SET NO. 75

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

Eight persons Rishab, Tanay, Virak, Nikhil, Yash, Jagat, Harsha and Liyan are sitting around a square table, four of them sit at the corner of the table and four of them sit at the sides of the table. Among eight persons some of them are facing centre and some of them are facing away from the centre. Each of them is born in different months of same year viz. January, February, March, April, May, July, August and October.

Tanay sits third to the right of Rishab. There are three persons sitting between Rishab and the one who was born in February. One who was born in August is second to the right of Nikhil. Rishab was born in one of the months before the month in which Virak was born. Tanay and the one who was born in August are immediate neighbors. One who was born in October and the one who was born in April are immediate neighbors of Rishab. Liyan was born in May and sits second to the right of Tanay. Virak sits fourth to the right of Yash. Virak and Yash are not facing each other. One who was born in July sits third to the left of Virak. Jagat sits second to the left of Liyan. Immediate neighbors of Rishab are facing direction opposite to Yash. Virak is facing centre. Tanay sits at corner of the table.

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1. Who among the following persons sits third to the left of Harsha?

A. Tanay B. Yash C. Nikhil

D. Liyan E. None of these

2. Which of the following combinations is definitely true?

A. Yash-February B. Rishab-July C. Virak-March

D. Jagat-April E. Harsha-October

3. 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. Rishab B. Tanay C. Yash

D. Nikhil E. Liyan

4. What is the position of Nikhil with respect to the one who was born on October?

A. Third to the right B. Third to the left C. Fourth to the left

D. Immediate right E. Cannot be determined

5. Who among the following sits opposite to the person who sits fifth to the right of Liyan?

A. Rishab B. Harsha C. Nikhil

D. Virak E. None of these.

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Correct answer:

1	2	3	4	5
E	C	D	E	C

Common Explanation

References:

Tanay sits at the corner of the table.

Tanay sits third to the right of Rishab.

There are three persons sitting between Rishab and the one who was born in February.

Tanay and the one who was born in August are immediate neighbors.

Inferences:
From above statements, we get two cases.

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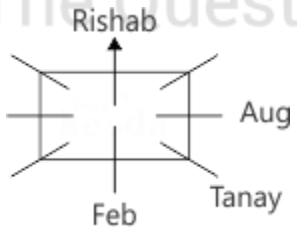
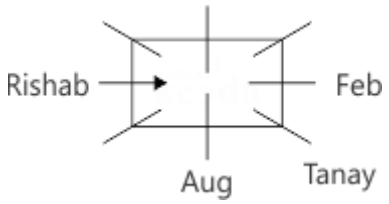
Case: 1



Case: 2



References:

One who was born in October and the one who was born in April are immediate neighbors of Rishab.

One who was born in August is second to the right of Nikhil.

Liyan was born in May and sits second to the right of Tanay.

Jagat sits second to the left of Liyan.

Inferences:

By using these statements, we get

In case (1) Nikhil was born in February and facing inside the table

In case (2) Nikhil was born in February and facing outside the table.

So in both cases Nikhil's second right is the person who was born in August.

Similarly, in case (1) Tanay face outside and Liyan (born in May) is seated second to his right.

In case (1) Tanay face inside and Liyan (born in May) is seated second to his right.

In Case (1) Liyan face centre and his second left is seated by Jagat (born in October/April)

In Case (2) Liyan face outside and his second left is seated by Jagat (born in October/April)

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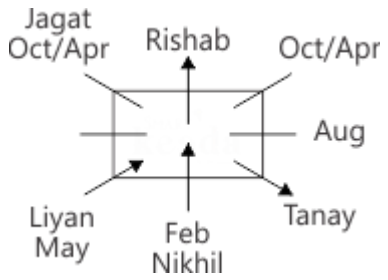
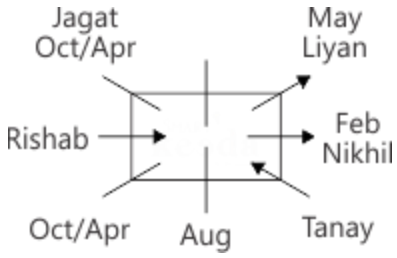
Remaining statements are placed as per the given information.

Case: 1



Case: 2



References:

Virak sits fourth to the right of Yash.

Virak is facing centre.

Virak and Yash are not facing each other.

One who was born in July sits third to the left of Virak.

Immediate neighbors of Rishab are facing direction opposite to Yash.

Inferences:

In case (1) Virak (given, facing centre) sits fourth to the right of Yash who was born in August. Yash must face outside since Virak and Yash are not facing each other.

In case (2) Virak (given, facing centre) sits fourth to the right of Yash who was born in August. Yash must face outside since Virak and Yash are not facing each other.

So Case (1) eliminated since No place is left to locate July, which is third to the left of Virak.

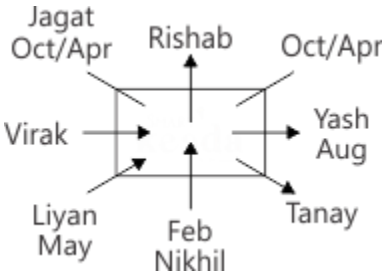
Only Case (2) left to proceed. Tanay who was born in July sits third to left of Virak.

Immediate neighbors of Rishab facing opposite direction of Yash.

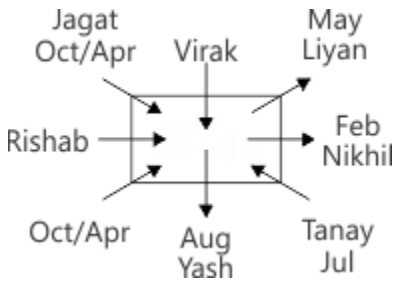
Yash faces outside the table. Therefore the immediate neighbor of Rishab faces inside the table.

Case: 1 [Eliminated]

No place is left to locate July,
which is third to the left of Virak.



Thus we get, Case (2)



References:

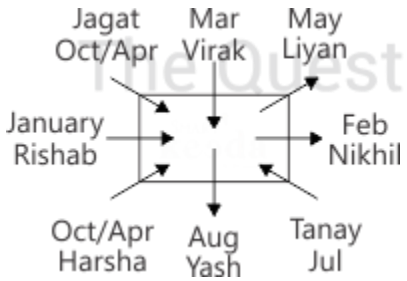
Rishab was born in one of the months before the month in which Virak was born.

Inferences:

From above statements, we conclude Rishab was born in January and Virak was born in March.

No information on Harsha, so he/she may bear in October/April.

Thus we get the completed seating of case (2)



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Explanations:

1. Following the common explanation, we get "None of these". Third to the left of Harsha is Virak.

Hence, option E is correct.

2. Following the common explanation, we get "Virak-March".

Hence, option C is correct.

3. Following the common explanation, we get "Nikhil-born in February, 28 days month".

Remaining persons are born in 31 days Month [January, May, July & August]

Hence, option D is correct.

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

Either Jagat or Harsha born in October. So we can't find Nikhil's position with respect to October.

Hence, option E is correct.

5. Following the common explanation, we get Nikhil sits opposite to the person who sits fifth to the right of Liyan

Hence, option C is correct.

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