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Seating Arrangement Questions for IBPS PO PRE, SBI PO PRE, SBI CLERK MAINS & IBPS CLERK MAINS

Set No 31

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

Eight students viz. Pabitra, Qadira, Raima, Sabri, Talikha, Ujjiti, Vacya, and Wamika applied for a vacancy. They were called for selection rounds which consist of written test, group discussion etc. Each of them made to sit around a circular table, not necessarily in the same order. All of them are facing towards the center of the table. Each of them has different years of experience viz., 2 years, 3 years, 4 years, 5 years, 6 years, 7 years, 8 years and 9 years again not necessarily in the same order.

The person who has 5 years of experience is sitting two places away from Vacya. Raima is sitting third to the left of the person who has 5 years of experience. Pabitra and Ujjiti are sitting opposite to each other. Pabitra has less experience than Ujjiti. Sabri sits second to the right of Ujjiti. The person sitting opposite to Raima has 3 years of experience. The sum of the number of years of experience, that Talikha's neighbors have, is 6. The difference between the number of years of experience of Vacya and Qadira is 3. Wamika and Talikha are not sitting opposite to each other. The difference between the number of years of experience of Talikha and Raima is an odd number but not 1. Raima has more experience than the person sitting opposite to him. The number of years of experience, that Wamika has, is a composite number. The person to the immediate left of Qadira doesn't have 7 years of experience. The sum of the number of years of experience, that Wamika's neighbors have, is neither 5 nor 13.

1. Find the difference between the experience of Talikha and the one who is sitting second to the left of her?

A. 2 B. 1 C. 3 D. 4 E. None of these

2. Find the sum of the experience of Raima and Sabri?

A. 7 B. 10 C. 9 D. 13 E. None of these

3. Which of the following is the square of the Ujjiti's experience?

A. 4 B. 81 C. 9 D. 36 E. None of these

4. Who is sitting between Pabitra and Sabri?

A. Vacya B. Qadira C. Wamika D. Ujjiti E. None of these

5. How much experience does Talikha has?

A. 6 B. 9 C. 7 D. 8 E. None of these

Correct Answers:

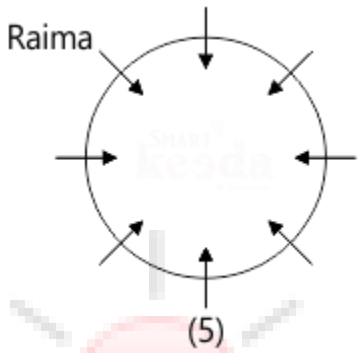
1	2	3	4	5
B	A	D	A	C

Common Explanations:

Reference:

Raima is sitting third to the left of the person who has 5 years of experience.

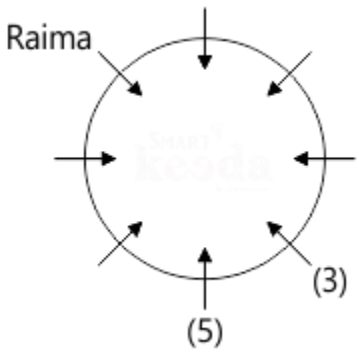
Inference:



Reference:

The person sitting opposite to Raima has 3 years of experience.

Inference:



Reference:

The person who has 5 years of experience is sitting two places away from Vacya.

Inference:

Two cases arise here:

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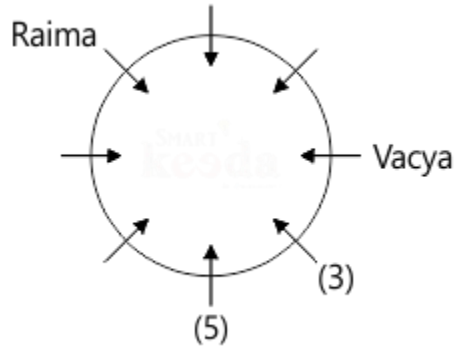
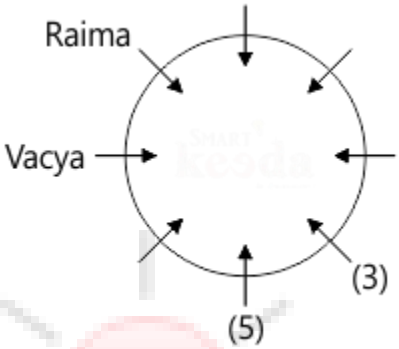
Case 1:



Case 2:

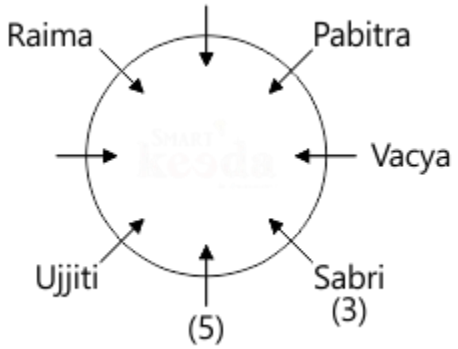


Reference:

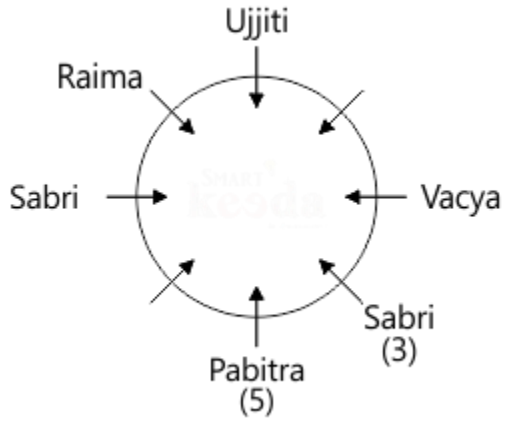
Pabitra and Ujjiti are sitting opposite to each other. Pabitra has less experience than Ujjiti. Sabri sits second to the right of Ujjiti.

Inference:

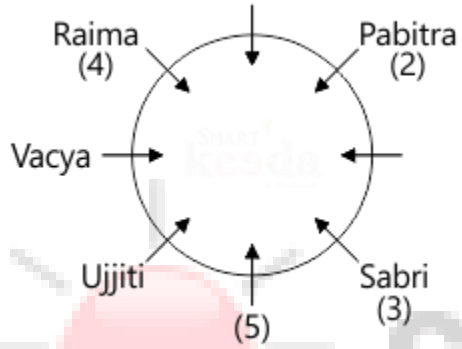
Case 1A:



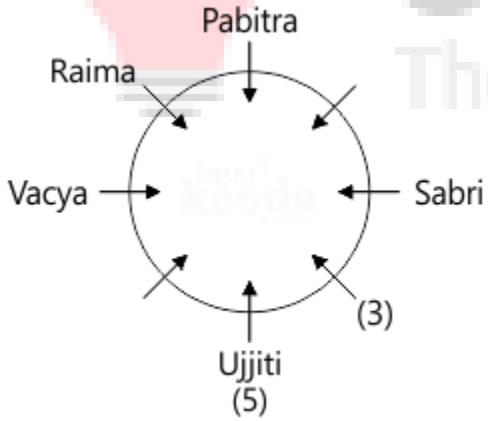
Case 1B:



Case 2A:



Case 2B:



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Reference:

The sum of the numbers of years of experience, that Talikha's neighbors have, is 6.

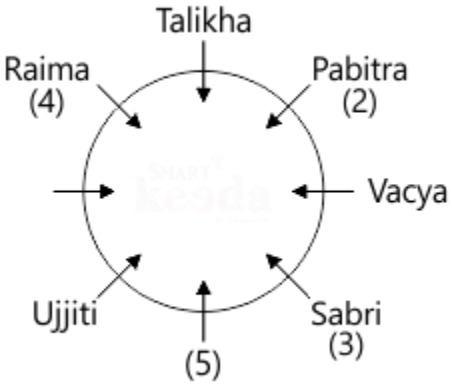
Raima has more experience than the person sitting opposite to him.

Inference:

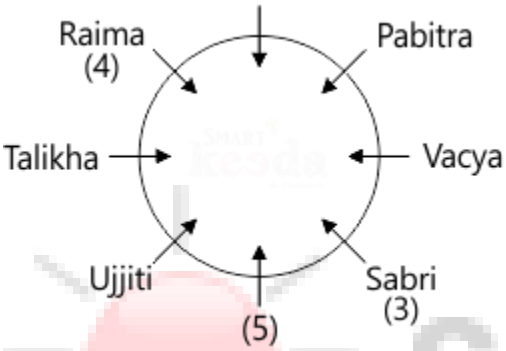
We have only two options i.e. 4 years and 2 years so as to have the sum = 6years, hence, the neighbors of Talikha have 4 and 2 years of experience.

Using the above info in case 1A, which hence, splits in to two more cases:

Case 1(A1):



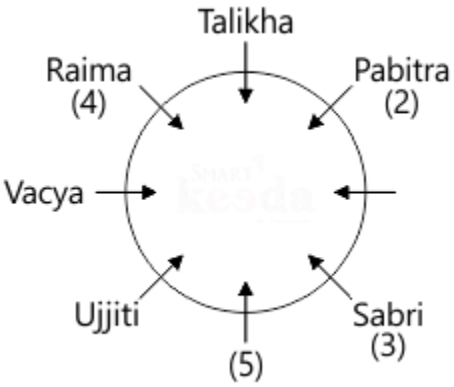
Case 1(A2):



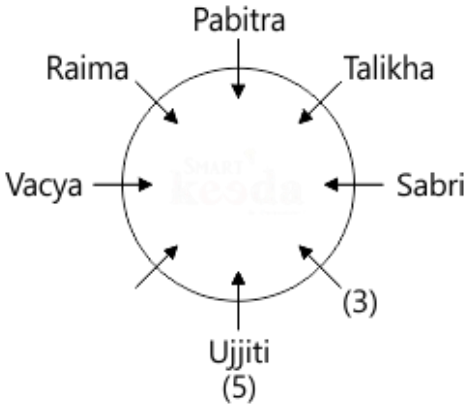
Hence, Case 1(A2) fails as, Ujjiti's exp. is more than Pabitra's so Ujiti cannot have 2 years of exp. and Raima cannot have 2 years exp. as her exp. is more than 3.

Case 1B:
It **fails** as there is no place left where Talikha can sit with neighbors having exp. of 4 and 2 years.

Case 2A:



Case 2B:

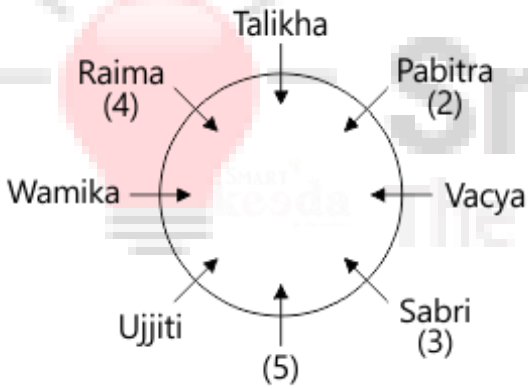


Reference:

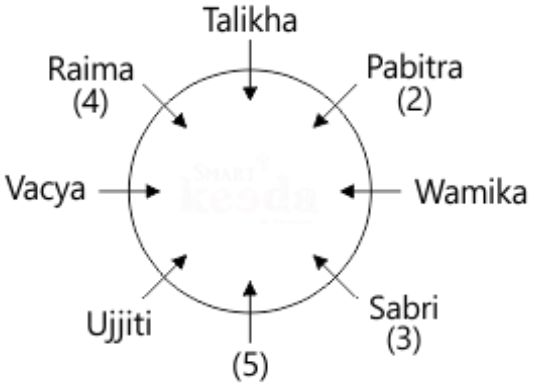
Wamika and Talikha are not sitting opposite to each other.

Inference:

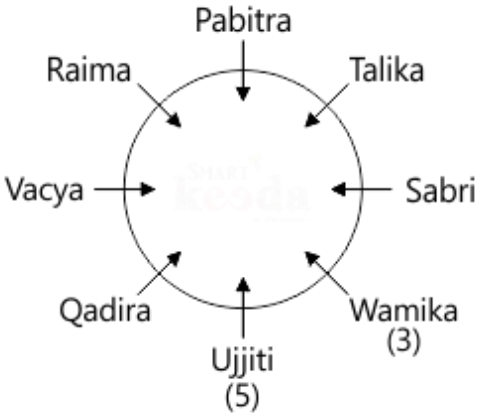
Case 1(A1):



Case 2A:



Case 2B:



Reference:
The sum of the numbers of years of experience, that Wamika's neighbors have, is neither 5 nor 13.

Inference:
Hence, Case 2A fails here.

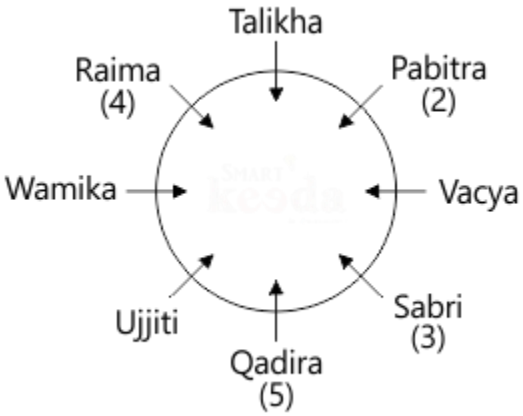
Reference:

The number of years of experience, that Wamika has, is a composite number.

Inference:

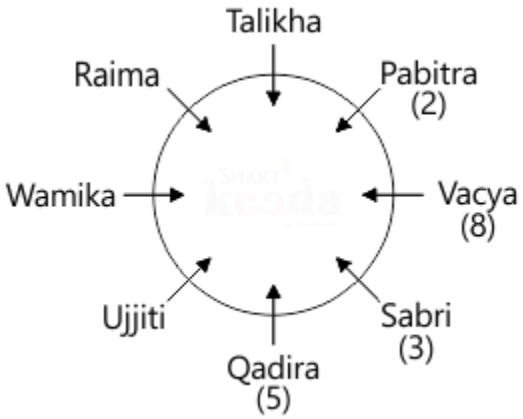
As, we can see clearly in case 2B, Warnika's experience is 3 which is a prime number, so Case 2B fails here.

Case 1(A1):



Reference:
The difference between the numbers of years of experience of Vacya and Qadira is 3

Inference:
So, Vacya's exp. is 8 years.



Reference:
The difference between the numbers of years of experience of Talikha and Raima is an odd number but not 1.

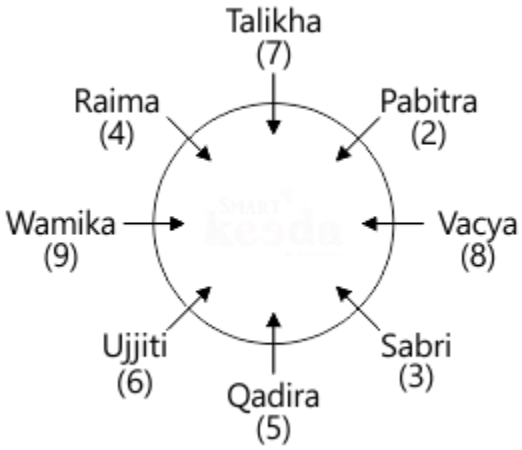
Inference:
Now, 3 exp. years are left i.e. – 6, 7 and 9; 3 persons left to be assigned i.e. Talikha, Wamika and Ujjiti.
Raima is having 4 years of experience and Talikha must be having 7 or 9 years of exp. so as to fulfill the above given condition.

Reference:
The person to the immediate left of Qadira doesn't have 7 years of experience.

Inference:
Ujjiti cannot have 7 years of experience and if we assign 9 to him the sum of Wamika's neighbor reaches to 13 which again should not be a case, hence, Ujjiti is having 6 years of experience.

Now, for Wamika we have two options i.e. 7 or 9 to be assigned, but as we already know that Wamika's exp. is a composite no. therefore, she is having 9 years of experience.

Final arrangement:



Answers :

1. Following common explanation we get
Difference between the experience of Talikha and the one who is sitting second to the left of her is 1 year.
Option B, is hence the correct answer.

2. Following common explanation we get
Sum of the experience of Raima and Sabri is 7 years.
Option A, is hence the correct answer.

3. Following common explanation we get
Ujjiti has 6 years of experience so the square is 36.
Option D, is hence the correct answer.

4. Following common explanation we get
Vacya is sitting between Pabitra and Sabri.
Option A, is hence the correct answer.

5. Following common explanation we get
Talikha has 7 years of experience.
Option C, is hence the correct answer.
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