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Seating Arrangement Questions for IBPS PO Pre, IBPS RRB Scale I Pre, SBI PO Pre, Syndicate Bank PO, Canara Bank PO, IBPS SO Pre, IBPS Clerk Mains and SBI Clerk Mains Exams.

Set No 126

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

Some persons are sitting around a circular table facing towards the centre and at an equal distance from each other. Each of these persons has a different income greater than 11 Lakhs but less than 20 Lakhs.

Only one seat was vacant.
Anuj's income is in multiple of 5 but it is not the highest.
There are two seats between Jaya and Reet.
Anuj sits opposite to Faiz but neither of them are sitting adjacent to Jaya.
None of the seats adjacent to Anuj is vacant.
The one, whose income is 19 Lakhs, is sitting on the seat which is to the immediate right of Pari's seat.
Reet's income is in perfect square number.
Jaya's income is in even number.
Pari sits on the seat which is second to the right of one, whose income is 13 Lakhs.
The income of the persons sitting adjacent to vacant seat is the just next number of income the persons sitting adjacent to them.
The number of persons between Reet and dev are same as the number of persons between Anuj and Mala.

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1. How many persons are sitting around the circular table?

A. Six B. Seven C. Eight D. Nine E. Ten

2. Who among the following is sitting opposite to Mala?

A. No one B. Faiz C. Pari D. Reet E. Can't be determined

3. What is the income of Pari?

A. 12 Lakhs B. 18 Lakhs C. 14 Lakhs D. Either A or B E. Either A or C

4. What is the position of Vacant seat with respect to Dev?

A. Third to the right B. Immediate left C. Fourth the right D. Second to the left
E. Can't be determined

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

A. Faiz B. Anuj C. Jaya D. Mala E. Dev

Correct Answers:

1	2	3	4	5
B	D	D	A	C

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COMMON EXPLANATION:

Reference:

Some persons are sitting around a circular table facing towards the centre and at an equal distance from each other. Each of these persons has a different income greater than 11 Lakhs but less than 20 Lakhs.

Inference:

Here, we can say that there were at most 8 seats in the arrangement and we keep the rest of the information in mind while solving the puzzle.

Reference:

Anuj sits opposite to Faiz but neither of them are sitting adjacent to Jaya.

Inference:

Using the above information we can say that there were even numbers of seats around the circular table as it is given that Anuj is sitting opposite to Faiz and we know that all these persons are equidistant from each other which cannot be possible if the number of seats is odd.

Here, we will make a mental note that neither Jaya nor Reet are sitting adjacent to Jaya.

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Reference:

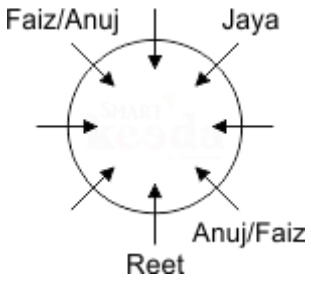
There are two seats between Jaya and Reet.

Inference:

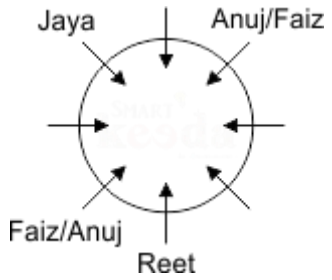
At this point we can say that were exactly 8 seats in the arrangement because of the number of seats is less than 8 the above hints will not follow.

At this point we can fix the position of Jaya, Reet, Anuj and Faiz as:

Case 1:



Case 2:



Reference:

Anuj's income is in multiple of 5 but it is not the highest.

Reet's income is in perfect square number.

Jaya's income is in even number.

Inference:

After using the above hints, we have:

Anuj' income = 15 Lakhs

Reet's income = 16 Lakhs

Here, we will make mental note that income of Jaya was an even number.

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Reference:

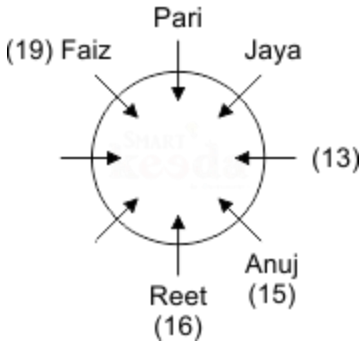
Pari sits on the seat which is second to the right of one, whose income is 13 Lakhs.

The one, whose income is 19 Lakhs, is sitting on the seat which is to the immediate right of Pari's seat.

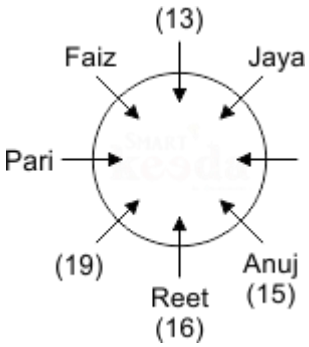
Inference:

Here, there are three possible scenarios in which we can use the above hints in case 1.

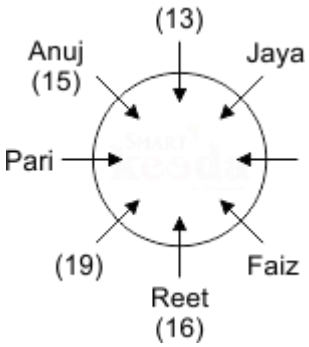
Case 1-A:



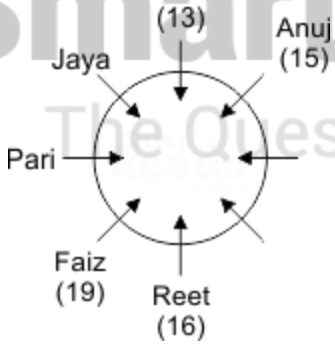
Case 1-B:



Case 1-C:



Case 2:



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Reference:

Only one seat was vacant.

None of the seats adjacent to Anuj is vacant.

Inference:

At this point our Case 1-A, Case 1-B and Case 2 are contradicting with the above hints. So we can say that **Case 1-A, Case 1-B and Case 2 are invalid cases**.

Reference:

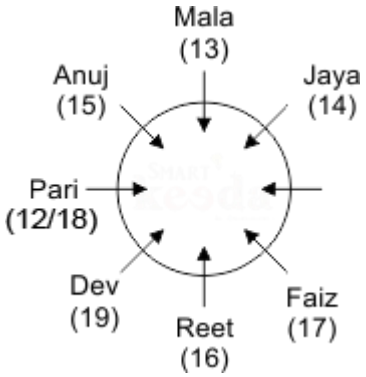
The income of the persons sitting adjacent to vacant seat is the just next number of income the persons sitting adjacent to them.

The number of persons between Reet and Dev are same as the number of persons between Anuj and Mala.

Inference:

After using the above hints, we have:

Case 1-C:



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Answers :

1. Following the final solution we can say that seven persons are sitting around the circular table.

Hence, the correct answer is option **B**.

2. Following the final solution we can say that Reet is sitting opposite to Mala.

Hence, the correct answer is option **D**.

3. Following the final solution we can say that we have no information about the income of Pari but we have only two option left with us that must be lie in between 11 Lakhs and 20 Lakhs i.e 12 Lakhs and 18 Lakhs so we can say that Pari income must be either 12 Lakhs or 18 Lakhs.

Hence, the correct answer is option **D**.

4. Following the final solution we can say that the vacant seat third to the right of Dev.

Hence, the correct answer is option **A**.

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5. Following the final solution we can say that Jaya is the one that does not belong to the group because of all the persons given in the option Jaya is the only persons whose income is in even number.

Hence, the correct answer is option **C**.

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