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SBI PO 2019 Study Material | High Level Reasoning Seating Arrangement Quiz for SBI PO 2019 | Reasoning Puzzles PDF for SBI PO 2019

SEATING ARRANGEMENT SET NO. 67

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

Eight students Anaika, Artika, Advita, Ankita, Asvitha, Ashwika, Anvita and Aadvika like different subjects like Hindi, Physics, Chemistry, Botany, Zoology, Maths, English and History but not necessarily in the same order. All of them are sitting around the square table in such a way four of them sitting in the middle of each sides of the table and facing inside and remaining four of them are sitting at corner of the table and facing outside.

Anaika is facing inside the table and not an immediate neighbor of the one who likes Hindi. Anvita is sitting second to the right of the one who likes Botany and the one who is sitting at corner of the table. There are three persons between the one who like Botany and Aadvika. The one who likes Physics sits third to the right of Anvita. Artika sits exactly opposite to the one who likes Maths subject. Aadvika sits third to the right of Ashwika, who like Chemistry subject. The one who likes Zoology sits exactly opposite to the one who likes Chemistry. Aadvika likes History subject. Anvita sits third to the right of the one who like Physics subject. Anvita and Advita face opposite direction and Ankita sits third to the right of Advita. The one who like Hindi subject is sitting exactly opposite to the one who is immediate left of the one who like English subject. The number of people sitting between the one who likes English subject and the one who likes History subject when counted in anti-clockwise direction from the one who likes English subject are one more than the number of people sitting between

the one who like Maths subject and the one who like Hindi subject when counted in anti-clockwise direction from the one who likes Hindi subject.

1. 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. Asvitha-Physics B. Anvita-Maths C. Ankita-Botany
D. Artika-Zoology E. Anaika-English

2. Who among the following persons likes Zoology?

- A. Anaika B. Advita C. Artika
D. Ashwika E. Asvitha

3. Which of the following persons are sitting on the same side of the square table?

- A. Anaika, Ankita and Ashwika
B. Asvitha, Artika and Ashwika
C. Ashwika, Advita and Anvita
D. Ankita, Anaika and Anvita
E. Aadvika, Advita and Artika

4. Which of the following statement is definitely true?

- A. Anaika sits second to the left of the one who like Chemistry subject
B. Aadvika sits second to the right of the one who like Maths subject
C. Advita sits second to the left of the one who like English subject
D. Advita sits third to the left of the one who like Hindi subject
E. All are true

Correct answers:

1	2	3	4
D	B	D	E

Common Explanation

References:

Anvita is sitting second to the right of the one who likes Botany and the one who is sitting at corner of the table.

There are three persons between the one who like Botany and Aadvika.

The one who likes Physics sits third to the right of Anvita. Anvita sits third to the right of the one who like Physics subject.

Aadvika sits third to the right of Ashwika, who like Chemistry subject.

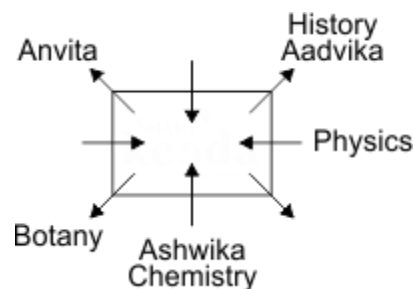
Aadvika likes History subject.

Inferences:

From above statements,

From the 1st reference point, we observe that, Anvita must sit at corner of the table, by this all the above 5 reference points get placed as per the given condition.

Thus we get the following initial seating as shown,



References:

1. The one who likes Zoology sits exactly opposite to the one who likes Chemistry.
2. Artika sits exactly opposite to the one who likes Maths subject.
3. The one who like Hindi subject is sitting exactly opposite to the one who is immediate left of the one who like English subject.
4. The number of people sits between the one who like English subject and the one who like History subject count in anti-clockwise direction from the one who like English subject is one more than the number of people sit between the one who like Maths subject and the one who like Hindi subject count in anti-clockwise direction from the one who like Hindi subject.

Inferences:

From above statements,

With reference to 1st and 2nd point we get two cases as shown in seating.

By using 3rd statement case-2 gets eliminated as shown in figure.

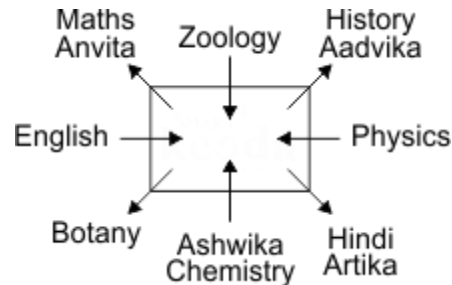
Before placing the hints based on 3rd point, just observe the 4th point i.e.

Number of people sits between the one who like English subject and the one who like History subject count in anti-clockwise direction from the one who like English subject	Number of people sit between the one who like Maths subject and the one who like Hindi subject count in anti-clockwise direction from the one who like Hindi subject
(4)	(3)

Case-1: The above only possibility is obtained by placing, the one who like Hindi is on the immediate right of Ashwika and the one who like English is on the 2nd left of Ashwika.

By using all above statements, we get

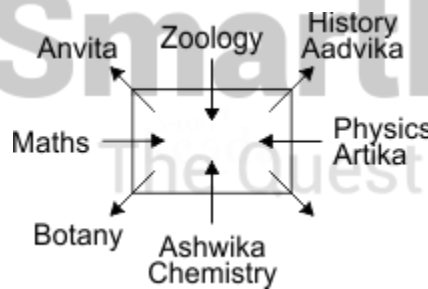
Case: 1



Case-2: The one who like Hindi and the one like English can't sit opposite to each other as per statement (Refer Point-3). Hence this case can be eliminated.



Case: 2 [Eliminated] No place for Hindi/English



References:

Anvita and Advita face opposite direction and Ankita sits third to the right of Advita.

Anaika is facing inside the table and not an immediate neighbor of the one who likes Hindi.

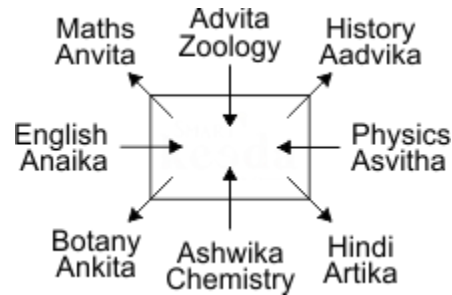
Inferences:

From above statements,

Anvita faces outside the table and then Advita faces inside the table.

Ankita (likes Botany) sits third to the right of Advita (likes Zoology).
Finally, Anaika likes English & Asvitha likes Physics subject.

Case: 1



Explanations:

1.

Following the common explanation, we get "Artika-Zoology, wrong pair".
i.e. Artika-Hindi (True).

Remaining 4 combinations are correctly paired.

Hence, option D is correct.

2.

Following the common explanation, we get "Advita – Zoology".

Hence, option B is correct.

3.

The following common explanation, we get "Ankita, Anaika and Anvita".

Hence, option D is correct.

4.

Following the common explanation, we get "All are true statements".

Hence, option E is correct



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