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# Seating Arrangement for SBI Clerk Mains, IBPS Clerk Mains, SBI PO Pre and IBPS PO Pre Exams.

SA Set No 145

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

Ten persons are sitting in parallel rows such that Pallavi, Quincy, Ragini, Sahira and Tanuja are sitting in Row-1 while Aarini, Bargavi, Chaitra, Deepa and Elisha are sitting in Row-2. Row-1 is in the north of Row-2. Equal number of persons are facing north and south. Each of them has scored different marks in class test i.e. 6, 10, 17, 30, 35, 40, 56, 78, 80 and 96. All the above information is not necessarily in the same order.

Quincy sits opposite to the one, who has scored 30 marks. Quincy sits to the immediate left of Ragini, who faces in the same direction as Tanuja. Elisha, who has scored 17 marks, sits second to the right of Aarini but not adjacent to Bargavi. Sahira scored 10 marks more than Aarini. Deepa scored the least marks and faces north direction. Tanuja sits third to the right of Sahira, who faces south direction. The persons sitting at extreme ends of the same row do not face in same direction. Quincy and Sahira are not neighbors. Elisha, who faces south direction, is sitting opposite to Pallavi, who has scored maximum marks. The persons to the right of Quincy have scored less mark than her and the persons to the left of Quincy have scored more marks than her. Mark scored by Chaitra is eight times the mark scored by Bargavi and both of them face in the same direction.

**1. Who among the following scored 56 marks?**

- A. Tanuja      B. Quincy      C. Ragini      D. Chaitra      E. Can't be determined

**2. Who among the following sits second to the right of Bargavi?**

- A. The one who scored 17 marks.      B. The one who scored 80 marks.      C. The one who scored 56 marks.  
D. The one who scored 35 marks.      E. Can't be determined

**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. Sahira      B. Chaitra      C. Quincy      D. Elisha      E. Bargavi

**4. What is the difference between the marks scored by Tanuja and Ragini?**

- A. 22 marks      B. 21 marks      C. 43 marks      D. 45 marks      E. Can't be determined

**5. In certain way Tanuja is related to 80 marks, Aarini is related to 56 marks and in same way, who among the following is related to 35 marks?**

- A. Ragini      B. Deepa      C. Bargavi      D. Quincy      E. None of these

**Correct Answers:**

<b>1</b>	<b>2</b>	<b>3</b>	<b>4</b>	<b>5</b>
B	B	C	C	C



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## Common explanation :

### References:

Ten persons are sitting in parallel rows such that

Pallavi, Quincy, Ragini, Sahira and Tanuja are sitting in Row-1 while

Aarini, Bargavi, Chaitra, Deepa and Elisha are sitting in Row-2.

Row-1 is IN the north of Row-2.

Equal number of persons are facing north and south.

Each of them has scored different marks in class test i.e. 6, 10, 17, 30, 35, 40, 56, 78, 80 and 96.

All the above information is not necessarily in the same order.

### Inferences:

Before solving this seating arrangement, keep all these information mentioned above in mind.

Equal number of persons are facing north and south. This implies that 5 people face north and 5 people face south direction.

### References:

Each of them has scored different marks in class test among 6, 10, 17, 30, 35, 40, 56, 78, 80 and 96.

Sahira scored 10 marks more than Aarini.

Tanuja sits third to the right of Sahira, who faces south direction.

### Inferences:

From above statements,

Given, Sahira = Aarini + 10 marks

Among given numbers we get only possibility i.e. Aarini scored 30 marks & Sahira scored =  $30 + 10 = 40$  marks.

**Case-1:** Here Sahira (south direction) sits second from left end in Row-1 and Tanuja sits third to the right of Sahira (1<sup>st</sup> possibility). By using above information, we get the following seating arrangement as shown,

Case-1					
Direction				South	
Marks				40	
Person [Row-1]	Tanuja			Sahira	
Person [Row-2]					
Marks					
Direction					

**Case-2:** Here Sahira (south direction) sits at extreme left end in Row-1 and Tanuja sits third to the right of Sahira (2<sup>nd</sup> possibility). By using above information we get the following seating arrangement:

Case-2					
Direction					South
Marks					40
Person [Row-1]		Tanuja			Sahira
Person [Row-2]					
Marks					
Direction					

#### References:

Quincy sits opposite to the one, who has scored 30 marks.

Quincy sits to the immediate left of Ragini, who faces in the same direction as Tanuja.

Quincy and Sahira are not neighbors.

Elisha, who has scored 17 marks, sits second to the right of Aarini but not adjacent to Bargavi.

Elisha, who faces south direction, is sitting opposite to Pallavi, who has scored maximum marks.

#### Inferences:

From above statements,

Quincy sits opposite to the one, who has scored 30 marks. We know Aarini has scored 30 marks. Thus we conclude that Quincy sits opposite to Aarini ( who scored 30 marks)

**Case-1:** Given, Quincy sits to the immediate left of Ragini & Quincy and Sahira are not neighbors. Therefore to satisfy this condition, Quincy sits second to the right of Sahira and Aarini sits opposite to Quincy. Here Ragini must face north direction so that Quincy sits to the immediate left of Ragini.

Given, Ragini faces in the same direction as Tanuja. This implies that Tanuja also faces north direction since Ragini faces north direction.

Given, Elisha has scored 17 marks. Elisha sits second to the right of Aarini. Elisha is not adjacent to Bargavi. Elisha faces south direction. Elisha sits opposite to Pallavi. Pallavi scored 96 marks (maximum)

To satisfy this condition, Aarini must face north direction so that Elisha sits second to the right of Aarini. In this case Elisha sits opposite to Sahira which is not possible since Elisha sits opposite to Pallavi. Hence this case violates the given condition and it can be eliminated.

Case-1 [Eliminated]					
Direction	North		North	South	
Marks				40	
Person [Row-1]	Tanuja	Quincy	Ragini	Sahira	
Person [Row-2]		Aarini		Elisha	
Marks		30		17	
Direction		North		South	

**Case-2:** Given, Quincy sits to the immediate left of Ragini & Quincy and Sahira are not neighbors. In order to satisfy this condition, Quincy sits second to the right of Sahira and Aarini sits opposite to Quincy. Here Ragini must face north direction so that Quincy sits to the immediate left of Ragini.

Given, Ragini faces in the same direction as Tanuja. This implies that Tanuja also faces north direction since Ragini faces north direction.

Given, Elisha has scored 17 marks. Elisha sits second to the right of Aarini. Elisha is not adjacent to Bargavi. Elisha faces south direction. Elisha sits opposite to Pallavi. Pallavi scored 96 marks (maximum).

If Aarini faces north direction then Elisha sits second to the right of Aarini and Elisha sits opposite to Sahira which is not possible since Elisha sits opposite to Pallavi.

Therefore we conclude that Aarini must face south direction so that Elisha sits second to the right of Aarini. Elisha has scored 17 marks. Elisha faces south direction. Elisha sits opposite to Pallavi. Pallavi scored 96 marks (maximum).

By using above information we get the following seating arrangement:

Case-2					
Direction		North		North	South
Marks	96				40
Person [Row-1]	Pallavi	Tanuja	Quincy	Ragini	Sahira
Person [Row-2]	Elisha	<del>Bargavi</del>	Aarini		
Marks	17		30		
Direction	South		South		

### References:

Chaitra has scored eight times of the mark scored by Bargavi and both of them face in same direction.

Deepa scored the least marks and faces north direction.

The persons sitting at extreme ends of the same row do not face in same direction.

### Inferences:

From above statements,

Chaitra's marks =  $8 \times$  Bargavi's marks. Among given numbers we get only possibility i.e.

Bargavi has scored 10 marks and Chaitra has scored 80 marks ( $8 \times 10 = 80$  marks)

Given, Chaitra and Bargavi face in same direction. Deepa has scored 6 marks and faces north direction.

From above seating arrangement (Row-1) we know Sahira faces south direction and sits at one of the extreme end in Row-1. Therefore Pallavi must face north direction (persons sitting at extreme ends of the same row do not face in same direction) since she is sitting in Row-1 at other extreme end.

We know 5 people face north and 5 people face south direction. Here Pallavi, Tanuja, Ragini and Deepa face north direction. Therefore one more left person must face north direction.

This implies that both Chaitra and Bargavi must face south direction since both are facing in same direction.

From above seating arrangement (Row-2) we know Elisha faces south direction and sits at one of the extreme end in Row-2. Therefore Deepa must sit at other end of Row-2, because she is facing north direction (persons sitting at extreme ends of the same row do not face in same direction)

Finally, Bargavi (scored 10 marks, faces south) and sits to the immediate left of Deepa, because Elisha is not adjacent to Bargavi. Also, Chaitra (scored 80 marks, faces south) and sits to the immediate left of Elisha.

By using above information we get the following seating arrangement:

Case-2					
Direction	North	North		North	South
Marks	96				40
Person [Row-1]	Pallavi	Tanuja	Quincy	Ragini	Sahira
Person [Row-2]	Elisha	Chaitra	Aarini	Bargavi	Deepa
Marks	17	80	30	10	6
Direction	South	South	South	South	North

**References:**

The persons to the right of Quincy have scored less mark than her and the persons to the left of Quincy have scored more marks than her.

**Inferences:**

From above statements,

From above seating Elisha, Chaitra, Aarini, Bargavi and Sahira are facing south direction (5 people). Therefore remaining 5 people must face north direction. This implies Quincy faces north direction i.e. Pallavi, Tanuja, Ragini, Deepa and Quincy faces north direction (5 people).

Remaining marks left among given are 78, 56 and 35.

As per condition, Ragini and Sahira are sitting to the right of Quincy and they must score less mark than Quincy.

Similarly, Pallavi and Tanuja are sitting to the left of Quincy and they must score more marks than Quincy.

To satisfy this condition we get only possibility i.e. Tanuja must have scored 78 marks and Ragini must have scored 35 marks. Finally, Quincy scored 58 marks.

After satisfying all the given conditions, we get the completed seating in Case-2 as shown below.

Case-2					
Direction	North	North	North	North	South
Marks	96	78	56	35	40
Person [Row-1]	Pallavi	Tanuja	Quincy	Ragini	Sahira
Person [Row-2]	Elisha	Chaitra	Aarini	Bargavi	Deepa
Marks	17	80	30	10	6
Direction	South	South	South	South	North



## Answers:

1. Following the common explanation, we get "Quincy scored 56 marks".

Hence, option B is correct.

2. Following the common explanation, we get "Chaitra sits second to the right of Bargavi and Chaitra scored 80 marks".

Hence, option B is correct.

3. Following the common explanation, we get "Quincy faces north direction".

Remaining 4 people are facing South direction.

Hence, option C is correct.

4. Following the common explanation, we get "43 marks".

Tanuja = 78 marks & Ragini = 35 marks

Difference = 43 marks

Hence, option C is correct.

5. Following the common explanation, we get "Bargavi".

Relation: Tanuja sits opposite to Chaitra, who has scored 80 marks.

Aarini sits opposite to Quincy, who has scored 56 marks.

Similarly, Bargavi sits opposite to Ragini, who has scored 35 marks.

Hence, option C is correct.



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