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

Set No 115

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

Certain number of persons sitting in a linear row and all of them are facing in north direction. Only ten persons sit to the left of E. F sits eight to the left of E. The person A sits fourth to the right of B. C sits to the immediate left of D. D sits third from the extreme right end of the row. Number of person sit between E and D is same as B and E. Only six people sit between A and C.

1.   How many seats are there in the linear row?

A. 21   B. 23   C. 17   D. 19   E. None of these

2.   What is the position of C with respect to E?

A. Third to the right   B. Seventh to the left   C. Ninth to the left   D. Fifth to the right   E. None of these

3.   How many seats are there between A and E?

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

4.   Four of the following five are alike in a certain way and thus form a group. Which of the following does not belong to the group?

A. F   B. D   C. B   D. E   E. C

5.   How many seats are there to the left of B?

A. Three   B. Two   C. Four   D. Six   E. Seven

Correct Answers:

1	2	3	4	5
D	D	B	E	C

Common Explanations:

References:

D sits third from the extreme right end of the row.

C sits to the immediate left of D

Only six people sit between A and C.

The person A sits fourth to the right of B.

Inferences:

From above statements,

We don't know the number of seats in a linear row. So we will solve based on the above hints.

Let the seat at extreme right end be 1 and its immediate left is 2 and so on in increasing order till left end.

D sits 3rd seat from right end (reference point-1)

C sits at 4th seat i.e. immediate left of D (reference point-2)

The person A sits at 11 seat i.e. six people sit between A and C (reference point-3)

B sits at 15th seat i.e. A sits fourth to the right of B (reference point-4)

By using above information we get the following seating as shown below,

Person (North)					B				A							C	D		
Seat Number	19	18	17	16	15	14	13	12	11	10	9	8	7	6	5	4	3	2	1

References:

Number of person sit between E and D is same as B and E.

Only ten persons sit to the left of E.

F sits eight to the left of E.

Inferences:

From above statements,

If we observe the seating there are 11 seats in between B and C.

As per 1st reference point, E sits in the middle of B and D. Therefore E sits at 9th seat i.e. 5 people sit to the right of E and 5 people sit to the left of E.

Given, only ten persons sit to the left of E. Therefore we conclude that there are 19 seats in the linear row.

Finally, F sits at 17th seat i.e. F sits 8th to the left of E (reference point-3)

All conditions get satisfied and we get the completed seating [19 seats] as shown below,

Person (North)			F		B				A	E					C	D		
Seat Number	19	18	17	16	15	14	13	12	11	10	9	8	7	6	5	4	3	2	1

Answers :

1. Following the common explanations, we get "19 seats are there in the linear row".

Hence, option D is correct.

2. Following the common explanations, we get "C sits 5th to the right of E".

Hence, option D is correct.

3. Following the final arrangement, it's clear that there is only one seat between A and E.

Option B is hence the correct answer.

4. Following the final arrangement, it's clear that only C sits on even numbered seat.

Remaining people sits on odd numbered seat.

Option E is hence the correct answer.

5. Following the final arrangement, it's clear that there are Four seat to the left of B.

Option C is hence the correct answer.

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