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Seating Arrangement questions for IBPS PO Pre, IBPS SO Pre, IBPS Clerk, SBI PO Pre and SBI Clerk Exams

SEATING ARRANGEMENT SET NO. 97

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

Twelve people O, P, Q, R, S, T, U, V, W, X, Y and Z are seated on parallel rows. Such a way that O, P, S, U, V, Z are seated on row 1 and other persons are seated on row 2 but not necessarily in the same order. Some people are facing north and some people facing south in both the rows. O sits second from the left of S who is not facing north. P sits immediate right of S. P sits straight to T facing opposite direction to each other. V sits second to the right of P. O and R faces each other. Y sits second to the left of R. Two persons sit between Q and X. W and U are seated at corners and facing opposite direction to each other. Neither Q nor X is sit at the extreme ends of the row. Z and U are facing same direction as Q and X. V is facing same direction as R. Q is not a neighbor of R. Not more than five persons facing south.

1. Who among the following persons facing south in Row-1?

- A. S and O B. V and S C. S and P
D. S and U E. Cannot be determined

2. In which direction neighbor of S faces?

- A. One person faces north and other persons faces south
B. Both the persons faces North
C. Both the person faces South
D. Immediate left faces north and immediate right faces south

E. Cannot be determined

3. Find the following person's position in the rows respectively?

I. Who sits immediate right of O?

II. Who sits third to the right of Q?

A. Y and V

B. V and X

C. V and Y

D. Z and R

E. Cannot be determined

4. Find the odd one out among the following.

A. U

B. Z

C. Y

D. X

E. R

5. If U is related to P and S is related to Z in same way Y is related with:

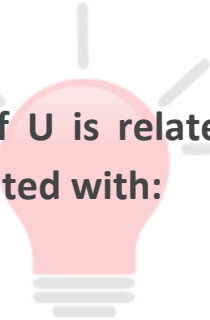
A. U

B. Z

C. X

D. Q

E. R



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Correct answers:

| | | | | |
|---|---|---|---|---|
| 1 | 2 | 3 | 4 | 5 |
| A | B | B | C | D |

Common Explanation

References

O, P, S, U, V and Z are seated on row 1 & Q, R, T, W; X and Y are seated in row 2.

O sits second from the left of S who is not facing north.

P sits immediate right of S. P sits straight to T facing opposite direction to each other.

V sits second to the right of P.

O and R face each other. Y sits second to the left of R.

W and U seated are at corners and facing opposite direction to each other.

Inferences

From above statements, we get

Note: In each row persons may face north/south.

We don't know the position of S from extreme ends. So we solve as per the statements without considering number of persons in row as follows,

- i. S faces south and his/her immediate right is P.
- ii. O sits second from the left of S. V sits second to the right of P.
- iii. Note: if P faces south, then V and O are sit at extreme ends of row-1.

Therefore no place for U to sit at corner. Thus P must face north direction. Then V sits immediate left of S.

iv. P must face north direction sits opposite to T who faces south direction. **[opposite direction to each other means, if one faces north then the other faces south or vice versa]**

v. O and R face each other. Y sits second to the left of R. [If R faces south, T and Y sit at extreme ends of row-2. Therefore no place for W to sit at corner. Thus **R faces north direction and O faces south direction. Both are facing each other. Therefore Row-2 faces Row-1 as shown below.**

vi. Y sits second to the left of R. Thus we get the table as follows,

| | | | | |
|-----------------------|-------|-------|---|-------|
| Direction | North | South | | South |
| Person(Row-1) | P | S | V | O |
| Person (Row-2) | T | Y | | R |
| Direction | South | | | North |

References

Neither Q nor X is sit at the extreme ends of the row. Q is not a neighbor of R.

Two persons sit between Q and X.

V is facing same direction as R.

W and U are seated at corners and facing opposite direction to each other.

Z and U are facing same direction as Q and X.

Not more than five persons facing south.

Inferences

Note: Clearly from above diagram (we placed only 4 seating in each row), Q is not sit at any ends and not neighbor to R. If Q sits second to the right of R, then T and Q sit at extreme ends. Then there is no place for W to sit at corner in row 2 which is not possible. **Thus Q must sit immediate right of T and X sits immediate left of R. Only person in row 2 is W who sits extreme corner and faces the person U.**

i. V is facing same direction as R. R faces north, then V also faces north direction.

ii. Only remaining person in row-1 is Z who sits immediate left of P.

iii. Note: **[Given: Z, U, Q and X are facing same direction** but none of them direction is given directly]

iv. Hint: **Not more than five persons facing south.** [If Z, U, Q and X are facing south direction, total persons facing south direction becomes 7 including T, S and O which is not possible.

v. **Therefore Z, U, Q and X are facing north direction**

vi. W and U are seated at corners and facing opposite direction to each other. [U faces north, and then W faces South direction.

vii. Y direction is unknown. He/she may face North/South direction.

Thus we get the completed seating as shown below,

| | | | | | | |
|-----------------------|-------|-------|-------|-------------|-------|-------|
| Direction | North | North | North | South | North | South |
| Person (Row-1) | U | Z | P | S | V | O |
| Person (Row-2) | W | Q | T | Y | X | R |
| Direction | South | North | South | North/South | North | North |

Explanations:

1.

The following common explanation, we get "S and O".

Hence, option A is correct.

2.

The following common explanation, we get "Both the persons faces North".

Hence, option B is correct.

3.

The following common explanation, we get "V and X".

Immediate right of O is V & Third to the right of Q is X.

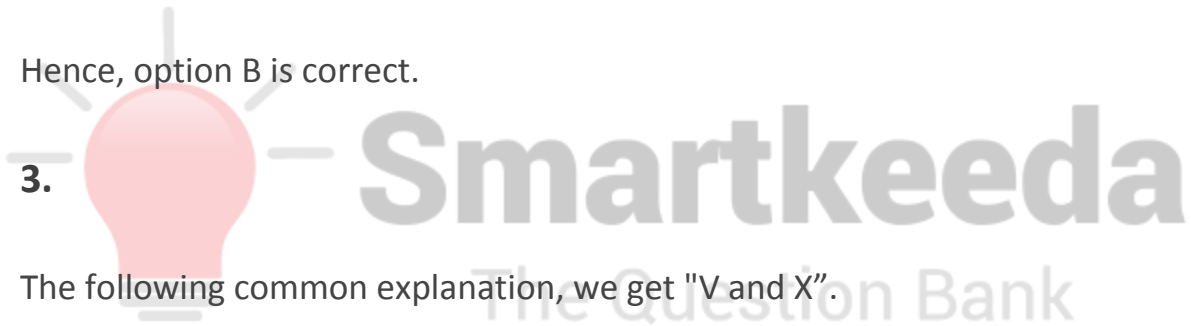
Hence, option B is correct.

4.

Following common explanation, we get "Y".

Except Y, the directions of all the others are confirmed.

Hence, option C is correct.



5.

Following common explanation, we get "Q".

P is seated second to the right of U and in same way Z is seated second to the right of S and in same way Y is seated second to the right of Q.

Hence, option D is correct.



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