

## 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 132

Directions: Study the following information carefully and answer the questions given beside: In a linear row of 8 persons from A to $H$, four people face towards north and four towards south. Further information is given below.
$B$ is third to the left of $C$, who faces (i) $\qquad$ . Only D is adjacent to C. B is on the immediate right of G , who faces north. (ii) $\qquad$ is second to the left of G and faces north. A and E are immediate neighbors, where the latter is at an extreme end. $F$ is second to the right of $B$, who faces (iii) $\qquad$ . Not more than two persons facing same direction are adjacent to each other. H is on the immediate right of (iv) $\qquad$ . The immediate neighbors of A face (v) $\qquad$ direction.

1. Which of the following will fill the blank (ii)?
A. C
B. $A$
C. F
D. D
E. None of these
2. Which of the following will fill the blank (iv)?
A. A
B. B
C. E
D. D
E. None of these
3. Which of the following will fill the blank (i)?
A. South
B. The direction opposite to the direction faced by H .
C. North
D. Both options B and C
E. Can't be determined
4. Which of the following will fill the blank (iii)?
A. The direction same as faced by $C$
B. The direction same as faced by D
C. The direction opposite to the direction faced by B
D. North
E. None of these
5. Which of the following will fill the blank (v)?
A. South
B. North
C. The direction same as faced by C
D. The direction opposite to the direction faced by B
E. None of these

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## Correct Answers:

| $\mathbf{1}$ | $\mathbf{2}$ | $\mathbf{3}$ | $\mathbf{4}$ | $\mathbf{5}$ |
| :---: | :---: | :---: | :---: | :---: |
| B | D | C | B | A |

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## COMMON EXPLANATION:

## Reference:

$B$ is third to the left of $C$, who faces (i) $\qquad$ .
Only D is adjacent to C.
$B$ is on the immediate right of $G$, who faces north.

## Inference:

With the second hint is clear that $C$ is at an extreme end, only then it is possible for $C$ to have only one immediate neighbor i.e. D.

But we don't know whether $C$ is at extreme right end or extreme left end, so we can have two possible cases.

Case-1: When C is at extreme right end and faces north

## Case-1



Case-2: When C is at extreme left end and faces south.


## Reference:

$F$ is second to the right of $B$, who faces (iii) $\qquad$ _.
Not more than two persons facing same direction are adjacent to each other.

## Inference:

We can have different implications of the first hint in both the cases.

In Case-1: B must face South in order to place $F$ second to its right.

## Case-1



In Case-2: B must face North in order to place F second to its right.
As per the second hint, the immediate neighbors of $B$ and $G$ must face south direction.

## Case-2



## Reference:

(ii) $\qquad$ is second to the left of G and faces north.
A and E are immediate neighbors, where the latter is at an extreme end.

## Inference:

Case-2 gets eliminated due to non-fulfillment of the first hint, because the person sitting second to the left of $G$ does not face north direction.

Thus, we will proceed with case-1 only. We don't know the person sitting second to the left of G , but we definitely know that he/she faces north direction.
$A$ and $E$ are immediate neighbors with $E$ being positioned at extreme end, thus $A$ must be adjacent to $F$ and $E$ is at extreme left end.

Case-1


## Reference:

H is on the immediate right of (iv) $\qquad$
Not more than two persons facing same direction are adjacent to each other.

Inference:
The only place left for $H$, is immediate left of $B$. Thus $D$ faces south, only then $H$ will be on immediate right of D.


As per the second hint, H must face north direction and F must face south direction.


## Reference:

The immediate neighbors of $A$ face ( $v$ ) $\qquad$ direction.
In a linear row of 8 persons from $A$ to $H$, four people face towards north and four towards south.

## Inference:

As four persons face south direction, thus E must face south direction.
Therefore the immediate neighbors of A face south direction.


## Answers :

1. Following the final solution, we get

A will fill the blank (ii).

Hence option B is correct.
2. Following the final solution, we get

D will fill the blank (iv).

Hence option D is correct.
3. Following the final solution, we get

North will fill the blank (i).

Hence option C is correct.

4. Following the final solution, we get
'The direction same as faced by D' will fill the blank (iii).

Hence option B is correct.
5. Following the final solution, we get

South will fill the blank (v).

Hence option A is correct.

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