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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 80

Direction: Study the following information to answer the given questions:

Eight people A, B, C, D, E, F, G and H are sitting in two parallel rows containing four people each. B, D, F and H are sitting in row-1 facing North and A, C, E and G are sitting in row-2 facing South (but not necessarily in the same order). Thus, each person sitting in row-1 faces another person sitting in row-2. Each of the persons lives on different floors of a building .i.e. floor 1 to 8.

B lives on 4th floor and the person who lives on the 1st floor is not the neighbour of G in the row. H sits to the opposite of the person who sits to the immediate right of the person who lives on 2nd floor. The person who lives on 3rd floor sits exactly between D and the person who lives on 8th floor. G lives on even prime numbered floor. C lives neither on 1st floor nor on 5th floor. G sits opposite to F, who lives on the 8th floor. E sits between A and G. D sits at the left end of the row and lives on 6th floor.

1. Which of the following represents the people sitting at extreme ends of both the rows?

- A. A, C and B, D B. A, G and D, B C. F, D and A, C
D. A, G and F, D E. None of these

2. Who amongst the following sits to the immediate left of the person who lives on 2nd floor?

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

3. Which of the given statements is true with respect to the given arrangement?

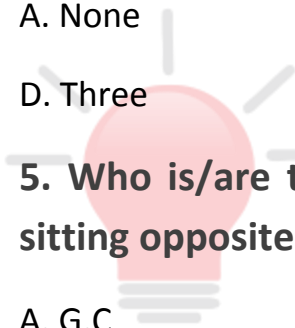
- A. A sits opposite to H
- B. H lives on second floor
- C. C sits opposite to B
- D. F lives on seventh floor
- E. All are true

4. How many people live between C and H?

- A. None
- B. Two
- C. Four
- D. Three
- E. None of these.

5. Who is/are the immediate neighbours of the person who is sitting opposite to H?

- A. G,C
- B. A,G
- C. E,C
- D. D,F
- E. None of these



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Correct answers:

1	2	3	4	5
A	B	C	D	B

Common explanations

Reference:

B lives on 4th floor.

G, lives on even prime numbered floor.

B, D, F and H are sitting in row-1 facing North and A, C, E and G are sitting in row-2 facing South (but not necessarily in the same order).

Inference:

The only even prime number from 1 to 8 is 2. So, G lives on second (2nd) Floor.

We shall keep the last hint in mind while drawing both the arrangements.

Floor	Person
8	
7	
6	
5	
4	B
3	
2	G
1	

Reference:

G sits opposite to F, who lives on 8th floor.

D, sits at the left end of the row and lives on the 6th floor.

The person who lives on 3rd floor sits between D and the person who lives on 8th floor.

Inference:

Below floor and linear arrangement can be obtained from the above hints.

Floor	Person
8	F
7	
6	D
5	
4	B
3	H
2	G
1	

Since the person who lives on 3rd floor sits between D and F, thus B who lives on 4th floor must sit at the right end of Row-I.

And the only person left in Row-I i.e. 'H lives on third floor.

Row- II Facing South ↓				
Row- I Facing North ↑	D	H	F	B

Reference:

G sits opposite to F.

E sits between A and G.

The person who lives on the first floor is not the neighbour of G in the row.

Inference:

It means E and C can't live on the first floor. Therefore, C would be living on the 7th floor.

Now only two floors are left i.e. 1 and 5, as E also can't live on 1st floor , so E must be living on 5th floor and A lives on 1st floor.

Thus both the arrangements get completed.

Floor	Person
8	F
7	C
6	D
5	E
4	B
3	H
2	G
1	A



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Row- II Facing South ↓	A	E	G	C
Row- I Facing North ↑	D	H	F	B

Explanations:

1.

The following common explanation, we get Clearly, A, C and B, D represent the people sitting at extreme ends of both the rows.

Hence, option A is correct.

2.

The following common explanation, we get Clearly, C sits to the immediate left of the person who lives on 2nd floor.

Hence, option B is correct.

3.

The following common explanation, we get C sits opposite to B

Hence, option C is correct.

4.

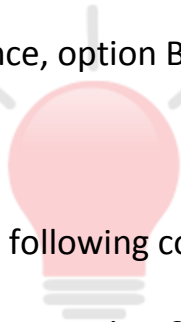
In the following common explanation, it is clear that only three persons live between C and H.

Hence, option D is correct.

5.

In the following common explanation, it is clear that A and G are immediate neighbours of the person who is sitting opposite to H.

Hence, option C is correct.





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