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# Puzzle Test Questions for IBPS PO Pre, 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 149

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

A, B, C, D, E, F, G and H are eight members in a family who live in a ten-store building with two floors vacant. The ground floor is numbered one and the topmost floor is numbered tenth. They are travelling to separate locations viz. London, New York, Paris, Las Vegas, Dubai, Dublin, Berlin and Delhi. The following information is known about them.

B, who is neither going to Dubai nor Delhi, is residing on an even numbered floor.

G and D have three members living between their floors.

G's floor is above D. Either G or D travels to Berlin. C, who is residing at 5th floor, is travelling to either New York or Dubai.

Two people reside between H's floor and a vacant floor.

H lives on a floor below one of the vacant floors.

The person travelling to London is residing immediately above the person who is travelling to Paris.

A and E have the same number of members between them as between A and F.

F is either travelling to Delhi or Dublin, but neither residing on 7th floor nor on 10th floor.

E is residing immediately above the person who is travelling to Dublin.

G is travelling to Dubai.

**1. Which of the following describes the vacant floors?**

- A. 1<sup>st</sup>, 10<sup>th</sup>      B. 9<sup>th</sup>, 5<sup>th</sup>      C. 10<sup>th</sup>, 2<sup>nd</sup>      D. 8<sup>th</sup>, 4<sup>th</sup>      E. None of these

**2. Who goes to Dublin?**

- A. F      B. B      C. A      D. D      E. None of the above

**3. How many floors lie between A's and E's floors.**

- A. 4      B. 1      C. 3      D. 2      E. None of these

**4. Whose floors lie between H's and D's floors?**

- A. People travelling to Paris and New York.  
B. People travelling to London, Paris, New York and Berlin.  
C. Person travelling to Berlin.  
D. People travelling to London and Berlin.  
E. None of the above

**5. Who lives on the 3<sup>rd</sup> floor?**

A. A                      B. B                      C. C                      D. E                      E. None of these

**Correct Answers:**

|          |          |          |          |          |
|----------|----------|----------|----------|----------|
| <b>1</b> | <b>2</b> | <b>3</b> | <b>4</b> | <b>5</b> |
| A        | B        | D        | A        | D        |

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## COMMON EXPLANATION:

### Step 1

#### Reference:

C, who is residing at 5th floor, is travelling to either New York or Dubai.

| Person | Floor | City              |
|--------|-------|-------------------|
|        | 10    |                   |
|        | 9     |                   |
|        | 8     |                   |
|        | 7     |                   |
|        | 6     |                   |
| C      | 5     | [New York, Dubai] |
|        | 4     |                   |
|        | 3     |                   |
|        | 2     |                   |
|        | 1     |                   |

Now, let's look at the clues.

B, who is neither going to Dubai nor Delhi, is residing on an even numbered floor.

|   |                  |  |
|---|------------------|--|
| B | [2, 4, 6, 8, 10] | [London, New York, Paris, Las Vegas, Dublin] |
|---|------------------|--|

G and D have three members living between their floors. G's floor is above D. Either G or D travels to Berlin. G is travelling to Dubai.

|        |  |        |
|--------|--|--------|
| G      |  | Dubai  |
| Person |  |        |
| Person |  |        |
| Person |  |        |
| D      |  | Berlin |

Two people reside between H's floor and a vacant floor. H lives on a floor below one of the vacant floors.

|        |  |  |
|--------|--|--|
| Vacant |  |  |
| Person |  |  |
| Person |  |  |
| H      |  |  |

The person travelling to London is residing immediately above the person who is travelling to Paris.

|  |  |        |
|--|--|--------|
|  |  | London |
|  |  | Paris  |

F is either travelling to Delhi or Dublin, but neither residing on 7th floor nor on 10th floor.

|   |                       |                 |
|---|-----------------------|-----------------|
| F | [9, 8, 6, 4, 3, 2, 1] | [Delhi, Dublin] |
|---|-----------------------|-----------------|

E is residing immediately above the person who is travelling to Dublin.

|   |  |        |
|---|--|--------|
| E |  |        |
|   |  | Dublin |

## Step 2

Since G is travelling to Dubai, C must travel to New York.

Let's assume the positions and start arranging parameters as per the clues.

If 10<sup>th</sup> floor is vacant, then H will be at 7<sup>th</sup>. If G is 6th, first floor will be vacant.

| Person | Floor | City     |
|--------|-------|----------|
| Vacant | 10    |          |
|        | 9     |          |
|        | 8     |          |
| H      | 7     |          |
| G      | 6     |          |
| C      | 5     | New York |
|        | 4     |          |
|        | 3     |          |
| D      | 2     |          |
| Vacant | 1     |          |

In this arrangement, the condition – “A and E have the same number of members between them as between A and F” can't be fulfilled, therefore this arrangement is wrong.

Let's change the position of G to 8<sup>th</sup> floor. Now the condition can easily be fulfilled.

E lives above the one travelling to Dublin, which isn't possible if F goes to Dublin, so B must go to Dublin.

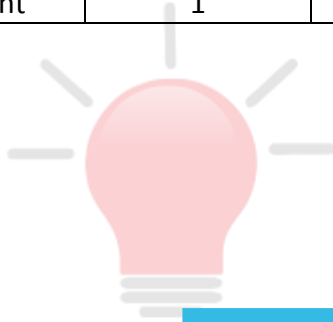
| Person | Floor | City     |
|--------|-------|----------|
| Vacant | 10    |          |
| F      | 9     | Delhi    |
| G      | 8     | Dubai    |
| H      | 7     |          |
| A      | 6     |          |
| C      | 5     | New York |
| D      | 4     | Berlin   |
| E      | 3     |          |
| B      | 2     | Dublin   |
| Vacant | 1     |          |

### Step 3

Person travelling to London lived directly above the one travelling to Paris. There is only one arrangement that can fulfill this condition.

The empty position is filled by Las Vegas.

| Person | Floor | City      |
|--------|-------|-----------|
| Vacant | 10    |           |
| F      | 9     | Delhi     |
| G      | 8     | Dubai     |
| H      | 7     | London    |
| A      | 6     | Paris     |
| C      | 5     | New York  |
| D      | 4     | Berlin    |
| E      | 3     | Las Vegas |
| B      | 2     | Dublin    |
| Vacant | 1     |           |



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## Answers :

1. It is clear from the final chart that 1<sup>st</sup> and 10<sup>th</sup> floor are vacant.

Hence, the correct answer is option A.

2. It is clear from the final chart that B goes to Dublin.

Hence, the correct answer is option B.

3. It is clear from the final chart that there two floors between A's and E's floors

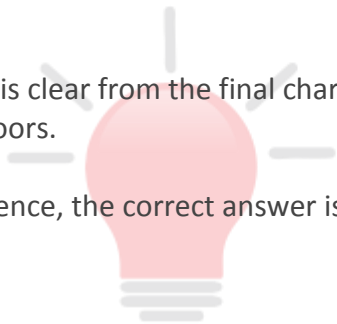
Hence, the correct answer is option D.

4. It is clear from the final chart that people travelling to Paris and New York lie between H's and D's floors.

Hence, the correct answer is option A.

5. It is clear from the final chart that E is living on 3<sup>rd</sup> floor.

Hence, the correct answer is option D.



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