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 148

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

Eight persons – Nitin, Prakash, Anant, Gopal, Vishal, Manish, Jayant and Depak, were living on different floors of a building. There are eight floors in a building numbered 1 – 8 such that the bottom floor is numbered as 1, and top floor is numbered as 8. These persons earn different amounts – 2 lakhs, 3 lakhs, 4 lakhs, 6 lakhs, 7 lakhs, 8 lakhs, 10 lakhs and 12 lakhs but not necessarily in the same order.

Manish lives on an even number floor below 5th floor.
Jayant lives just above Manish and earns in multiple of 4 but not 4 lakhs.
Only one person lives between Jayant and Depak.
Jayant lives above Depak.
Amount earned by Depak is just half of the amount earned by Jayant.
The sum of the amount earned by Nitin and Prakash is equal to amount earned by Vishal.
Amount earned by Depak is more than the individual amounts earned by Nitin and Prakash.
Amount earned by Prakash is more than amount earned by Nitin.
Amount earned by Gopal is 2 lakhs more than the sum of the amounts earned by Anant and Prakash.
Only one person lives between Jayant and Vishal.
The total amount earned by persons living on floor number 7 and 8 is 5 lakhs.
The number of persons living above Nitin is same as the number of persons living below Depak.
Prakash lives above Gopal.

1. What is the total amount earned by persons who live on sixth floor and fourth floor?

A. 10 lakhs   B. 12 lakhs   C. 15 lakhs   D. 18 lakhs   E. None of these

2. How many person(s) earn more than Gopal?

A. None   B. One   C. Two   D. Three   E. Four

3. Who among the following lives on the fourth floor?

A. Manish   B. Vishal   C. Prakash   D. Gopal   E. None of these

4. How many person(s) live between Anant and Jayant?

A. None   B. One   C. Two   D. Three   E. Four

5. **What is the amount (in Rs.) earned by Manish?**

A. 10 lakhs   B. 6 lakhs   C. 8 lakhs   D. 7 lakhs   E. None of these

Correct Answers:

1	2	3	4	5
B	C	D	D	A

COMMON EXPLANATION:

Reference:
Eight persons – Nitin, Prakash, Anant, Gopal, Vishal, Manish, Jayant and Depak, were living on different floors of a building. There are eight floors in a building numbered 1 – 8 such that the bottom floor is numbered as 1, and top floor is numbered as 8. These persons earns a different amount – 2 lakhs, 3 lakhs, 4 lakhs, 6 lakhs, 7 lakhs, 8 lakhs, 10 lakhs and 12 lakhs but not necessarily in the same order.

Inference:
We will keep this information in mind while solving the puzzle.

Reference:
Manish lives on an even number floor below 5th floor.

Jayant lives just above Manish and earns in multiple of 4 but not 4 Lakhs.

Only one person lives between Jayant and Depak.

Jayant lives above Depak.

Only one person lives between Jayant and Vishal.

Inference:
Here, we have two possible scenarios in which above hints can be used accordingly.

Case 1:

Floor	Person
8	
7	Vishal
6	
5	Jayant
4	Manish
3	Depak
2	
1	

Case 2:

Floor	Person
8	
7	
6	
5	Vishal
4	
3	Jayant
2	Manish
1	Depak

At this point we can say that amount earned by Jayant is either 8 lakhs or 12 lakhs.

Reference:
The number of persons living above Nitin is same as the number of persons living below Depak.

Inference:
After using the above hints, we have:

Case 1:

Floor	Person
8	
7	Vishal
6	Nitin
5	Jayant
4	Manish
3	Depak
2	
1	

Case 2:

Floor	Person
8	Nitin
7	
6	
5	Vishal
4	
3	Jayant
2	Manish
1	Depak

Reference:
Amount earned by Depak is just half of the amount earned by Jayant.

Amount earned by Depak is more than the individual amounts earned by Nitin and Prakash.

Amount earned by Prakash is more than amount earned by Nitin.

The sum of the amount earned by Nitin and Prakash is equal to amount earned by Vishal.

Amount earned by Gopal is 2 lakhs more than the sum of the amounts earned by Anant and Prakash.

Inference:
As we have already figured out that amount earned by Jayant is either 8 lakhs or 12 lakhs.

Here, we have two possible scenarios in which we can figure out the amount earned by these persons.

Possibility 1:
Jayant earns 8 lakhs.

If Jayant earns 8 lakhs then,

Person	Earning
Jayant	8 lakhs
Depak	4 lakhs
Prakash	3 lakhs
Nitin	2 lakhs
Vishal	5 lakhs

As none of the persons is earning 5 lakhs so we can say that **this is a false possibility**.

Possibility 2:
Jayant earns 12 lakhs.

If Jayant earns 12 lakhs then,

Person	Earning
Jayant	12 lakhs
Depak	6 lakhs
Prakash	4 lakhs
Nitin	3 lakhs
Vishal	7 lakhs

Here, the only possible scenario in which amount earned by Gopal can be made equal to 2 lakhs more than the sum of amounts earned by Anant and Prakash is when Anant earns 2 lakhs and then amount earned by Gopal is (4 + 2)+2 = 8 lakhs.

Person	Earning
Jayant	12 lakhs
Depak	6 lakhs
Prakash	4 lakhs
Nitin	3 lakhs
Vishal	7 lakhs
Anant	2 lakhs
Gopal	8 lakhs

At this point we can say that the amount earned by Manish is 10 lakhs.

Person	Earning
Jayant	12 lakhs
Depak	6 lakhs
Prakash	4 lakhs
Nitin	3 lakhs
Vishal	7 lakhs
Anant	2 lakhs
Gopal	8 lakhs
Manish	10 lakhs

Reference:
The total amount earned by persons living on floor number 7 and 8 is 5 lakhs.
Prakash lives above Gopal.

Inference:

We have:

Person	Earning
Jayant	12 lakhs
Depak	6 lakhs
Prakash	4 lakhs
Nitin	3 lakhs
Vishal	7 lakhs
Anant	2 lakhs
Gopal	8 lakhs
Manish	10 lakhs

Case 1:

Floor	Person
8	
7	Vishal
6	Nitin
5	Jayant
4	Manish
3	Depak
2	
1	

Case 2:

Floor	Person
8	Nitin
7	
6	
5	Vishal
4	
3	Jayant
2	Manish
1	Depak

Here, in our case 1 Vishal who earns 7 lakhs is living on 7th floor which is contradicting with the above hints so we can say that **case 1 is an invalid case**.

After using the above hints in case 2, we have:

Case 2:

Floor	Person	Earning
8	Nitin	3 lakhs
7	Anant	2 lakhs
6	Prakash	4 lakhs
5	Vishal	7 lakhs
4	Gopal	8 lakhs
3	Jayant	12 lakhs
2	Manish	10 lakhs
1	Depak	6 lakhs

Answers :

1. Following the final solution, we can say that the amount earned by persons who live on sixth floor and fourth floor is 4 lakhs and 8 lakhs.

Required Sum = 4 + 8 **= 12 lakhs**

Hence, the correct answer is option **B**.

2. Following the final solution, we can say that the two persons earn more than Gopal.

Hence, the correct answer is option **C**.

3. Following the final solution, we can say that Gopal lives on the fourth floor.

Hence, the correct answer is option **D**.

4. Following the final solution, we can say that three persons live between Anant and Jayant.

Hence, the correct answer is option **D**.

5. Following the final solution, we can say that the amount earned by Manish is 10 lakhs.

Hence, the correct answer is option **A**.