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Puzzle Questions for IBPS RRB Office Asst. Mains Exams.

PT Set No 217

Directions: Read the instructions carefully and answer the following questions.

There are eight college students who study in Mumbai University. They all live in a building on different floors. Their names are C, D, E, F, G, H, I and J. The lowermost floor of the building is numbered one, the one above that is numbered two, and so on till the topmost floor is numbered eight. Each one of them also has a different brand of car, namely Santro, Alto, Duster, Ford, Benz, Civic, Jaguar and BMW (but not necessarily in the same order).

Only one person lives between D and the one who has Benz. H lives on an odd numbered floor above the floor numbered four. Only three people live between F and the one who has Civic. E lives in one of the odd numbered floors above the one who has Civic. The one who has Jaguar lives immediately above I. I has neither Civic nor Santro. G does not have Jaguar. Only three people live between I and C. The one who has BMW lives immediately above the one who has Alto, but not on the topmost floor. Only one person lives between H and the one who has Duster. The number of people living above H is the same as the number of people living between H and F. Only one person lives between the one who has BMW and J. Only two people live between E and the one who has Santro.

1. Which of the following statements is correct?

- A. I lives immediately above the one who has Civic
- B. G lives immediately above E
- C. Only three people live between H and the one who has BMW
- D. F has Benz
- E. All the statements are correct



2. Who among the following live exactly between J and the one who has Alto?

A. D, E

B. I, F

C. H, I

D. C, D

E. G, C

3. Which of the following cars does G have?

A. BMW

B. Alto

C. Benz

D. Jaguar

E. Duster

4. Four of the following five are alike in a certain way and so form a group. Which of the following doesn't belong to the group?

A. J - BMW

B. E - Civic

C. H - Benz

D. I - Ford

E. F - Duster

5. How many people live between E and the one who has Duster?

A. Four

B. Three

C. Two

D. One

E. None of these



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Correct Answers:

1	2	3	4	5
A	E	E	C	B

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Common Explanation:

References:

H lives on an odd numbered floor above the floor numbered four.

The number of people living above H is the same as the number of people living between H and F.

Only three people live between F and the one who has Civic.

E lives in one of the odd numbered floors above the one who has Civic.

Only two people live between E and the one who has Santro.

Only one person lives between H and the one who has Duster.

The one who has Jaguar lives immediately above I. I has neither Civic nor Santro.

Only three people live between I and C.

Inferences:



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By following above reference points we get following table,

Case 1:

If H lives on 7th floor, then F will live on 5th floor.

The person have Civic car will live on 1st floor as Only three people live between F and the one who has Civic (only possibility).

The only odd numbered floor vacant above the one who has civic is 3rd floor. So, E lives on 3rd floor.

Two people live between E and the one who has Santro. So, the one who has Santro lives on 6th floor.

Only one person lives between H and the one who has Duster. So, the one who has duster will live on 5th floor.

Now, we know that the one who has Jaguar lives immediately above I. I has neither Civic nor Santro and only three people live between I and C. So, only possibility is I lives on 2nd floor, the one who has Jaguar lives on 3rd floor and C lives on 6th floor.

Floors	Persons	Cars
8		
7	H	
6	C	Santro
5	F	Duster
4		
3	E	Jaguar
2	I	
1		Civic

Case 2:

If H lives on 5th floor, then F will live on 1st floor and the person who have civic car will live on 5th floor.



The only odd numbered floor vacant above the one who has civic is 7th floor. So, E lives on 7th floor.

Two people live between E and the one who has Santro. So, the one who has Santro lives on 4th floor.

Only one person lives between H and the one who has Duster. So, the one who has duster will live on 5th floor. So, the one who has Duster can either live on 7th floor or 3rd floor. So, two cases are possible.

If the one who has Duster lives on 7th floor,

Now, we know that the one who has Jaguar lives immediately above I. I has neither Civic nor Santro and only three people live between I and C. So, only possibility is I lives on 2nd floor, the one who has Jaguar lives on 3rd floor and C lives on 6th floor.

Floors	Persons	Cars
8		
7	E	Duster
6	C	

5	H	Civic
4		Santro
3		Jaguar
2	I	
1	F	

Case 2(a):

If the one who has Duster lives on 3rd floor,

Now, we know that the one who has Jaguar lives immediately above I. I has neither Civic nor Santro and only three people live between I and C. So, only possibility is I lives on 6th floor, the one who has Jaguar lives on 7th floor and C lives on 2nd floor.

Floors	Persons	Cars
8		
7	E	Jaguar
6	I	
5	H	Civic
4		Santro
3		Duster
2	C	
1	F	



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References:

The one who has BMW lives immediately above the one who has Alto, but not on the topmost floor.

Only one person lives between the one who has BMW and J.

Only one person lives between D and the one who has Benz.

G does not have Jaguar.

Inferences:

From above reference points we get the following table,

Case 1:

There is only one place where BMW can be placed just above Alto and that is 8th floor but we also know that the one who has BMW doesn't live on top floor. So, this case is eliminated.

Floors	Persons	Cars
8		
7	H	
6	C	Santro
5	F	Duster
4		
3	E	Jaguar
2	I	
1		Civic

Case 2:

There is only one place where BMW can be placed just above Alto and that is 2nd floor and the one who has Alto lives on 1st floor.

Only one person lives between the one who has BMW and J. So, J lives on 4th floor.

Only one person lives between D and the one who has Benz. So, D lives on 8th floor and C has Benz.

G does not have Jaguar. But in this case only place for G is 3rd floor who has Jaguar. So, this case is eliminated.

Floors	Persons	Cars
8	D	
7	E	Duster
6	C	Benz
5	H	Civic
4	J	Santro
3		Jaguar
2	I	BMW
1	F	Alto

Case 2(a):

There is only one place where BMW can be placed just above Alto and that is 2nd floor and the one who has Alto lives on 1st floor.

Only one person lives between the one who has BMW and J. So, J lives on 4th floor.

Only one person lives between D and the one who has Benz. So, D lives on 8th floor and I has Benz.

G does not have Jaguar it means G has Duster. And thus D will have Ford.

This is a correct arrangement.



Floors	Persons	Cars
8	D	Ford
7	E	Jaguar
6	I	Benz
5	H	Civic
4	J	Santro
3	G	Duster
2	C	BMW
1	F	Alto

1. Following common explanation, we get

I lives immediately above the one who has civic.

Hence, option A is correct.

2. Following common explanation we get,

G and C live between J and the one who has Alto.

Hence, option E is correct.

3. Following common explanation we get,

G has Duster.

Hence, option E is correct.

4. Following common explanation we get,

No one lives between H and the one who use Benz.

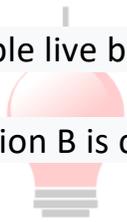
Rest in all the option- one person lives between the former person and the person who use the later car.

Hence, option C is correct.

5. Following common explanation we get,

Three people live between E and the one who has Duster.

Hence, option B is correct.



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