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Puzzle Test Questions for IBPS PO Pre. IBPS Clerk, LIC AAO, RBI Assistant, RRB Scale I Pre, SBI PO Pre and SBI Clerk **Exams**

PT Set No. 160

Directions: Read the following information carefully and answer the questions given beside.

Nine persons from A to I live in a nine story building such that at each floor only one person lives. Each one of them owns mobile phones of different brands viz. Apple, Samsung, Lenovo, Micromax, Sony, Microsoft, MI, Vivo and Oppo. The floors are numbered from bottom to top as 1 to 9.

D lives at an odd numbered floor above 5 and owns Lenovo. The one who owns Apple lives three floors below the one who owns Samsung. C lives on the floor number which is a perfect square. The one who has Micromax phone lives just above E, who lives at the lowermost floor. B lives immediately below the one who owns Vivo phone. The one who owns Vivo phone lives on an odd numbered floor. There are four floors between the floors on which the one who owns Oppo and B live. B does not own Micromax phone. G owns Samsung and is adjacent to the one who owns Lenovo. F and the one who owns Microsoft are adjacent to C where F is above C. B lives three floors above I. C does not own MI. A lives above H.

1. How many floors are there between the floor numbers of D and the one who owns Sony?

 c^{2}

A. 1	B. 2	C. 3	
D. 4	E. None of these		
2. Who among the following	ng owns Vivo?		
A. A	B. F	C. E	
D. H	E. Can't be determined		

3.	How	many	persons	live	above	13
J.	1100	IIIaiiv	DCI 3UII3	IIVC	abuve	

A. 2

B. 6

C. 5

D. 4

E. None of these

4. Who lives at the floor number which is equal to the sum of the floor numbers where H and the one who owns Apple live?

A.B

B. E

C. A

D. D

E. The sum exceeds the number of floors

5. Who owns the OPPO?

A. D

B. G

C. A

D. E

E. I



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Correct answer:

1	2	3	4	5
D	Α	В	С	D

Common Explanation:

Reference:

C lives on the floor number which is a perfect square.

The one who has Micromax phone lives just above E, who lives at the lowermost floor.

Inference:

Following two cases are possible with the given hints.

		Case-1		Case-2
Floor number	Persons	Mobile phone brands	Persons	Mobile phone brands
9	С			
8		The Quest	ion Ba	nk
7				
6				
5				
4			С	
3				
2		Micromax		Micromax
1	Е		Е	

Reference:

D lives at an odd numbered floor above 5 and owns Lenovo.

G owns Samsung and is adjacent to the one who owns Lenovo.

The one who owns Apple lives three floors below the one who owns Samsung.

Inference:

The case splits into further cases as shown below.

	Case-1		Case-1A	
Floor number	Persons	Mobile phone brands	Persons	Mobile phone brands
9	С		С	
8	G	Samsung		
7	D	Lenovo	D	Lenovo
6			G	Samsung
5		Apple		
4				
3				Apple
2		Micromax		Micromax
1	Е		Е	

	Case-2		Case-2A		Case-2B	
Floor number	Persons	Mobile phone brands	Persons	Mobile phone brands	Persons	Mobile phone brands
9	_				D	Lenovo
8	G	Samsung		4	G	Samsung
7	D	Lenovo	D	Lenovo	Ü	
6			G	Samsung	Doole	
5		Apple	The Q	jestion	Dalik	Apple
4	С		С		С	
3				Apple		
2		Micromax		Micromax		Micromax
1	Е		E		E	

Reference:

B lives immediately below the one who owns Vivo phone.

The one who owns Vivo phone lives on an odd numbered floor.

There are four floors between the floors on which the one who owns Oppo and B live.

B does not own Micromax phone.

Inference:

The case splits into further cases as shown below.

	Case-1			
Floor	[Eliminat			
number	Persons	Mobile phone brands	Persons	Mobile phone brands
9	С		С	Орро
8	G	Samsung		
7	D	Lenovo	D	Lenovo
6			G	Samsung
5		Apple		Vivo
4			В	
3		Vivo		Apple
2	В	Micromax		Micromax
1	Е		Е	

Floor	Case-2 Case-2A [Eliminated] Last [Eliminated] Third hint violated		Case-2B			
number	Persons	Mobile phone brands	Persons	Mobile phone brands	Persons Bank	Mobile phone brands
9				Vivo	D	Lenovo
8	G	Samsung	В		G	Samsung
7	D	Lenovo	D	Lenovo		Vivo
6			G	Samsung	В	
5		Apple				Apple
4	С		С		С	
3		Vivo		Apple		
2	В	Micromax		Micromax		Micromax
1	E		E		Е	Орро

Thus we are left with two cases only i.e. Case-1A and Case-2B.

Reference:

F and the one who owns Microsoft are adjacent to C where F is above C.

B lives three floors above I.

C does not own MI.

A lives above H.

Inference:

With the first hint, Case-1A gets eliminated thus, we are left with Case-2B only.

As C doesn't own MI, thu B have to own it. Thus B will havi MI and C will own the only left phone brand i.e. Sony.

			Case-1A	
Floor	Case-2B		_	ated] First violated
number	Persons	Mobile phone brands	Persons	Mobile phone brands
9	D	Lenovo	С	Орро
8	G	Samsung		
7		Vivo	D	Lenovo
6	В	MI	G	Samsung
5	F	Apple		Vivo
4	S	Sony	В	
3		Microsoft		Apple
2		Micromax	estion	Micromax
1	Е	Орро	Е	

As per the last hint, A must live at floor number 7 and H at floor number 2.

	Case-2B		
Floor number	Persons	Mobile phone brands	
9	D	Lenovo	
8	G	Samsung	
7	Α	Vivo	
6	В	MI	
5	F	Apple	
4	С	Sony	
3	I	Microsoft	
2	Н	Micromax	
1	Е	Орро	

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Explanation:

- **1.** There are 4 floors in between D and the one who owns Sony.
 - Hence option D is correct.
- **2.** A owns Vivo.
 - Hence option A is correct.
- **3.** 6 persons live above I.
 - Hence option B is correct.
- 4. The one who owns Apple lives at floor number 5 and H lives at floor number 2, so the sum is 7, which is the floor number of A.
 - Hence option C is correct.
- **5.** E owns Oppo.
 - Hence, option D is correct.

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