

Floor and Flat Puzzle for Bank PO Prelims Exam



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Direction (1-5): Answer the questions based on the information given below.

Eight persons namely Aadhi, Anu, Ajay, Arul, Amar, Ajith, Arjun, and Abi live in the Four Floor building but not necessarily in the same order. Each floor has two Flat i.e; Flat 1 and Flat 2 from left to right. The lowermost floor is floor 1 and above it is floor 2 so on until the topmost floor is floor 4. One person lives in each flat.

Note: Flat 1 of Floor 1 is exactly below of Flat 1 of Floor 2 and Flat 1 of Floor 1 is to the left of Flat 2 of Floor 1.

Two floors are between Anu and Arul. Arjun lives two floors below Aadhi and both live in the straight line. Anu and Ajith not live on the same floor of the building but live in the same flat. Arjun lives to the west of Arul.

Aadhi lives in Flat 1 of the third Floor. Abi neither lives along with the same floor of either Anu or Amar, who lives exactly above Arul.

1) Who among the following person lives in the flat 2 of floor 3?

- a) Ajith
- b) Abi
- c) Ajay
- d) Amar
- e) Arul

2) How many floors are between Arjun and Ajay?

- a) None
- b) One
- c) Two
- d) Same floor

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e) None of these

3) Who among the following person lives immediately left of Ajay?

- a) Aadhi
- b) Anu
- c) Amar
- d) Arjun
- e) AJith

4) Four of the following five are in the same group, which is not belong to the group?

- a) Abi
- b) Ajay
- c) Amar
- d) Arjun
- e) Arul

5) Who among the following person lives two floors above Amar?

- a) Anu
- b) Abi
- c) Ajay
- d) Both A and C
- e) None of these

Direction (6-10): Answer the questions based on the information given below:

Nine persons A, B, C, D, E, P, Q, R, and S live in the three floor apartment but not necessarily in the same order. Each floor has three flat from east to the west such as Flat 1, Flat 2, and Flat3. Three floors are Floor 1, Floor 2, and Floor 3 from bottom to top respectively. One person lives in each flat.

Note: Flat 1 of Floor1 is exactly below of Flat1 of Floor 2 and Flat 1 of Floor 1 is to the immediate right of Flat 2 of Floor 1 and so on.

Only one floor is between P and E, who lives in the even numbered flat. S and P live on the same floor of the building but both are not living on the lowest floor. B lives immediately above A, who lives in the odd numbered floor & flat. C lives in the flat 3 of floor 2. Neither S nor Q lives on the same floor and flat. Q is an immediate neighbour of B and C on the same floor. R never lives in the middle of the flat and P is to the right end of the floor. B and A lives in the same flat

6) Who among the following person lives in the flat 3 of floor 3?

- a) S
- b) R
- c) D
- d) C
- e) B

7) What is the position of R respect to A?

- a) Immediate west
- b) Second to the west
- c) Immediate east
- d) Third to the west
- e) Second to the east

8) If S is related to C and E is related to Q. In the same way, who is related to R?

- a) S
- b) C
- c) D
- d) P
- e) A

9) Which of the following statement is/are false?

- a) D and P live on the same floor
- b) Q is one flat away from C
- c) R and A lives in the same flat
- d) E is the immediate neighbour of A
- e) All are true

10) Four of the following five are in the same group, which is not belongs to that group?

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- a) S
- b) R
- c) P
- d) Q
- e) A

Direction (11-15): Answer the questions based on the information given below:

Eight persons M, N, O, P, Q, R, S, and T live in the apartment which contains three floors but not necessarily in the same order. Each floor has three flat ie; Flat1, Flat2, and Flat 3 from west to east. Three floors are considering as Floor 1, Floor 2, and Floor 3 from bottom to top respectively. One person lives in each flat but one flat is vacant.

Note: Flat 1 of Floor1 is exactly below of Flat1 of Floor 2 and Flat 1 of Floor 1 is to the immediate left of Flat 2 of Floor 1 and so on.

Only one floor is between O and P, who lives in an odd numbered flat. R lives on floor 2, which doesn't have a vacant flat. Q lives exactly above O and lives in the odd numbered flat. R is to the left Q and M, who lives southwest of a vacant flat. P lives two floors above N and lives on the floor, which is having a vacant flat. Neither R nor N lives in the even numbered flat. S lives immediate left of O and lives the same flat as T.

11) What is the position of the vacant floor?

- a) Flat1 of Floor 1
- b) Flat 2 of Floor 1
- c) Flat 3 of floor 3
- d) Flat 3 of floor 2
- e) None of these

12) Who among the following person lives in the flat 2 of floor 3?

- a) S

- b) P
- c) Vacant
- d) M
- e) T

13) Four of the following five are in the same group, which is not belongs to that group?

- a) P
- b) Q
- c) S
- d) T
- e) N

14) Which of the following statement(s) is/are true?

- 1. Q lives to the right of M
 - 2. N lives two places away from the west of O
 - 3. Floor 3 is having a vacant flat
- a) Only 1
 - b) Both 2 & 3
 - c) Both 1&3
 - d) Only 2
 - e) All are true

15) Who among the following person lives to the right of T?

- a) O
- b) N
- c) P
- d) No one
- e) M

Direction (16-20): Answer the questions based on the information given below:

Six persons Babu, Bama, Basha, Bhai, Prem, and Praveen live in the four floor building but not necessarily in the same order. Each floor has two flat ie. Flat1 and Flat 2 from west to east. The lowest floor is floor 1 and above it is floor 2 so on until the topmost floor is Floor 4. One person lives in each flat but two flat is vacant.

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Note: Flat 1 of Floor 1 is exactly below of Flat 1 of Floor 2 and Flat 1 of Floor 1 is to the left of Flat 2 of Floor 1.

Basha lives two floors above Bama. The number of persons lives on the floor numbered 3 and 2 are not divisible by 2. Two floors are between Babu and Bama, who live immediately below of vacant flat in the same flat. Bama lives in the even numbered flat. Babu and Basha never live in the same flat. No person lives in the flat exactly above of Bhai, who lives in the even numbered Floor. Praveen lives immediate right of Babu.

16) How many persons live in flat 2?

- a) Four
- b) Three
- c) Two
- d) One
- e) No one

17) What is the position of the vacant flat?

- a) Flat 1 of floor 3
- b) Flat 2 of floor 3
- c) Flat 2 of floor 2
- d) Flat 2 of floor 4
- e) Both A and C

18) Who among the following person lives in the flat 1 of floor 3?

- a) Basha
- b) Bhai
- c) Babu
- d) No one
- e) Prem

19) If Praveen is related to Basha and Bhai is related to Prem. In the same way, who/what is related to Babu?

- a) Bhai
- b) Basha
- c) Praveen
- d) Vacant flat

e) Prem

20) Who among the following is to the west of Bama?

- a) Bhai
- b) Prem
- c) Praveen
- d) Vacant flat
- e) None of these

Direction (21-25): Answer the questions based on the information given below:

Six persons M, N, O, X, Y, and Z live in the two floor apartment but not necessarily in the same order. All of them work in different professions as follows Doctor, Lawyer, Engineer, Scientist, Teacher, and Police but not necessarily in the same order. Each floor has three flat i.e.; Flat A, Flat B, and Flat C from west to east respectively. One person lives in each flat. Two floors are considered as Floor 1 and Floor 2 from bottom to top respectively.

Note: Flat A of Floor 1 is exactly below of Flat A of Floor 2 and Flat A of Floor 1 is to the immediate left of Flat B of Floor 1.

One who works as a teacher is two places away from Z on the same floor. N is a police and lives above one who works as a teacher but not in the same flat as Z. Neither Z nor O works as a lawyer. One who works as an engineer is not an immediate neighbour of Y, who lives immediately below the one who works as a scientist in the same flat. Lawyer and scientist live on the same numbered floor. One who works as scientist lives to the right of both N and one who works as a lawyer. X lives in the vowel alphabet flat. O lives to the right end of one of the floors.

21) Who among the following person works as a doctor?

- a) X

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- b) O
- c) M
- d) Z
- e) None of these

22) What is the position of X?

- a) Flat A of floor 2
- b) Flat B of floor 2
- c) Flat B of floor 1
- d) Flat A of floor 1
- e) None of these

23) Four of the following five are in the same group, which is not belongs to that group?

- a) XN
- b) OY
- c) ZM
- d) MY
- e) ON

24) Which of the following statement is/are not true?

- a) X is a lawyer
- b) X and N are immediate neighbours
- c) M lives in the odd numbered floor
- d) One who works as an engineer lives in the even numbered floor
- e) All are true

25) Who among the following person lives in the flat B of Floor 1?

- a) One who works as a doctor
- b) M
- c) Z
- d) One who works as an engineer
- e) Both A and B

Direction (26-30): Answer the questions based on the information given below:

Twelve persons A, B, C, M, N, O, P, Q, R, X, Y, and Z live in the four floor building, which contains three flat on each floor from west to east such as Flat 1, Flat 2 and Flat 3. The lowest floor is floor 1 and above it is floor 2

so on until the topmost floor is floor 4. One person lives in each flat but not necessarily in the same order. Immediate neighbour means either east or west /north or south.

Note: Flat 1 of Floor1 is exactly below of Flat1 of Floor 2 and Flat 1 of Floor 1 is to the immediate left of Flat 2 of Floor 1.

Two floors are between P and B, who lives in the odd numbered flat. Both A and P never live on the same floor but both live in the same numbered flat. A is the immediate neighbour of M, who lives in the middle flat. A lives above P. O lives adjacent to R, who lives to the south of Y. Exactly in the straight line more than two persons live above of P which is the same as below of N, who lives to the north of P. Y lives to the immediate northwest of O, who lives to the immediate northeast of M. Q doesn't live in the odd numbered floor. X lives an immediate neighbour of C, who lives in the right end of the floor. More than one floor is above A, who lives in flat 1.

26) What is the position of Z with respect to O?

- a) Two places away to the west
- b) Two places away to the east
- c) Immediate neighbour
- d) Immediate south
- e) Immediate east

27) How many persons live above the floor of X?

- a) Three
- b) Six
- c) Nine
- d) None
- e) Twelve

28) How many floors are between N and C?

- a) One
- b) Two
- c) Three

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- d) None
- e) Same floor

29) What is the position of Q?

- a) Flat 3 of floor 2
- b) Flat 2 of floor 1
- c) Flat 1 of floor 3
- d) Flat 1 of floor 3
- e) Flat 3 of floor 1

30) If N is related to Z and B is related to O. In that same way, who is related to C?

- a) O
- b) Q
- c) B
- d) M
- e) R

Direction (31-35): Answer the questions based on the information given below:

Seven persons Mani, Madhu, Mugi, Maran, Manoj, Madhi, and Mahi live in the three floor apartment building, which contains three flat on each floor from west to east such as Flat 1, Flat 2, and Flat 3. The lowest floor is Floor 1 so on until the topmost floor is Floor 3. Two flats are vacant from the total of nine flats. One person lives in each flat but not necessarily in the same order

Note: Flat 1 of Floor 1 is exactly below of Flat 1 of Floor 2 and Flat 1 of Floor 1 is to the left of Flat 2 of Floor 1.

Less than two floors are below of Mugi, who lives in the even numbered flat. Both two vacant flats are on the odd numbered floor and one of the vacant flats is above Mani. Mani and Manoj are not living on the same floor and same flat but both live in the odd numbered flat. Mugi lives in the floor immediately above of Mani. Manoj never lives in the topmost floor and lives to the southwest of the vacant floor. Madhi lives in the odd

numbered floor and flat but not lives in the flat 1. Neither Mahi nor Maran lives in the even numbered flat nor live on the floor 1. No one lives above of Mahi. Madhu doesn't live in the odd numbered flat.

31) Which of the following Flat is a vacant flat?

- a) Flat 2 of floor 3
- b) Flat 3 of floor 3
- c) Flat 2 of floor 1
- d) Flat 1 of floor 1
- e) Both A and D

32) Who among the following person lives exactly below of Manoj in the same flat?

- a) Madhu
- b) Maran
- c) Vacant
- d) Mahi
- e) Mani

33) Four of the following five are in the same group, who among the following person is not belongs to that group?

- a) Manoj
- b) Maran
- c) Madhi
- d) Madhu
- e) Mani

34) Who among the following person lives to the left of Madhu?

- a) Manoj
- b) Mahi
- c) Maran
- d) Vacant
- e) Mani

35) Which of the following statements is/are false?

- a) Mahi lives in the flat 1
- b) Floor 1 and 3 have vacant flat
- c) Madhu lives in the middle flat
- d) Mahi lives to the left of Madhi
- e) All are true

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Direction (36-40): Answer the questions based on the information given below:

Ten persons A, B, C, D, P, Q, R, S, T, and U live in the five floor apartment building. Each floor has two flat ie Flat1, Flat 2 from west to east. The lowest floor is floor 1 and above it is floor 2 so on until the topmost floor is floor 5. One person lives in each flat but not necessarily in the same order.

Note: Flat 1 of Floor1 is exactly below of Flat1 of Floor 2 and Flat 1 of Floor 1 is to the left of Flat 2 of Floor 1.

More than two floors are there above D. The number of persons living above floors of S is the same as the number of persons living below floors of P. Three floors are between C and R, who live below of B. Neither R nor C lives in the odd numbered flat. S lives two floors below of C. A lives above of S and below of C, who lives to the northeast of S. D and R doesn't live on the same floor. Q lives three floors above of B, who lives in the even numbered flat. T lives beside of A and not lives in the same flat of D.

36) How many floors are above of U?

- a) One
- b) Three
- c) Four
- d) None
- e) Two

37) Who among the following person lives immediately above B in the same flat?

- a) S
- b) P
- c) D
- d) U
- e) T

38) Four of the following five are in the same group, which is not belongs to that group?

- a) CA
- b) BU
- c) TS
- d) DR
- e) SP

39) How many persons live above from the floor of D?

- a) 2
- b) 6
- c) 8
- d) 4
- e) None

40) Who among the following person lives in the flat 2 of floor 3?

- a) P
- b) S
- c) B
- d) T
- e) A

Direction (41-45): Answer the questions based on the information given below:

Nine persons P, Q, R, S, T, U, V, W, and X live in the three floor building. All of their ages are as follows 13, 19, 23, 25, 36, 41, 49, 56, and 65 years. Each floor has three flat ie; Flat 1, Flat 2, Flat 3 from west to east. The lowest floor is floor 1 and above it is floor 2 so on until the topmost floor is floor 3.

One person lives in each flat but not necessarily in the same order.

Note: Flat 1 of Floor1 is exactly below of Flat1 of Floor 2 and Flat 1 of Floor 1 is to the immediate left of Flat 2 of Floor 1.

S lives two floors above of P whose age is multiple of 5 and lives in the even numbered flat. U is 41 years old and lives in the middle floor of the apartment. The

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difference between the age of W and S is 11. The sum of the ages of floor 1 is 103. W lives immediately below of U and the age is a square number. Neither W nor X lives in the even numbered flat. V is the immediate right of P and the age is a prime number. T and Q live in the odd numbered flat but different floor and their ages are having unit digit of number 9. S lives to the north of P. R's age is a prime number but above 20. S lives above T and S's age is multiple of 6. Q is younger than T.

41) What is the age of X?

- a) 19
- b) 49
- c) 56
- d) 23
- e) 13

42) Four of them following are in the same group, which is not belongs to that group?

- a) SX
- b) UR
- c) PV
- d) QW
- e) QS

43) What is the sum of the ages of floor 2?

- a) 103
- b) 93
- c) 113
- d) 117
- e) 115

44) Who among the following person lives in the flat 2 of floor 2?

- a) 23 year old person
- b) T
- c) R
- d) X
- e) Both A and C

45) If Q is related to U and R is related to P. In that same way, who is related to T?

- a) U
- b) P
- c) X
- d) S
- e) W

Direction (46-50): Answer the questions based on the information given below:

Nine persons U, V, W, X, Y, Z, M, N, and O live in the four floor building, which contains three flat on each floor ie; Flat 1, Flat 2, Flat 3 from west to east. The lowest floor is floor 1 and above it is floor 2 so on until the topmost floor is floor 4. Three flat is vacant from a total of twelve flat. One person lives in each flat but not necessarily in the same order.

Note: Flat 1 of Floor 1 is exactly below of Flat 1 of Floor 2 and Flat 1 of Floor 1 is to the immediate left of Flat 2 of Floor 1.

M and N live neither in the even numbered flat nor in the same flat. Z lives in flat 1 of floor 3 and lives above of vacant flat and in the same flat. More than two persons live above of V in the same flat and lives in the even numbered flat. X is the first person to live exactly below of Z in the same flat and not live in the even numbered floor. O and Y live on the same floor of the Building. Only two persons live in flat 3. O lives to the immediate southwest of N, who lives in the same numbered floor and flat. U lives below of W in the same flat.

46) Which of the following Flat of the floor is vacant?

- a) Flat 1 of floor 2
- b) Flat 2 of floor 3
- c) Flat 3 of floor 4
- d) Flat 2 of floor 4
- e) Both A and C

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47) Who lives in the flat 3 of floor 4?

- a) M
- b) N
- c) W
- d) U
- e) Vacant

48) Who lives to the immediate right of Z?

- a) N
- b) W
- c) U
- d) O
- e) Y

49) Four of them following are in the same group, which is not belongs to that group?

- a) MW

- b) UN
- c) OY
- d) ZN
- e) XV

50) How many floors are between O and W?

- a) One
- b) Two
- c) None
- d) Same floor
- e) Three

Solution with detailed explanation

ANSWERS:

- 1. B
- 2. C
- 3. B
- 4. D
- 5. D

Solution (1-5):

- Arjun lives two floors below Aadhi and both live in the straight line
- Aadhi lives in Flat 1 of the third Floor

Floor	Flat 1	Flat 2
4		
3	Aadhi	
2		
1	Arjun	

- Abi never lives with **the** same floor of either Anu or Amar, who lives exactly above Arul.
- Arjun lives to the west of Arul.

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Floor	Flat 1	Flat 2
4		
3	Aadhi	
2		Amar
1	Arjun	Arul

- Anu and Ajith not live on the same floor of the building but live in the same flat.
- Two floors are between Anu and Arul.

Hence final arrangement as follows

Floor	Flat 1	Flat 2
4	Anu	Ajay
3	Aadhi	Abi
2	Ajith	Amar
1	Arjun	Arul

ANSWERS:

6. A
7. B
8. B
9. C
10. D

Solution (6-10):

- B lives immediately above of A, who lives in the odd numbered floor & flat
- C lives in the flat 3 of floor 2

Flat 3	Flat 2	Flat 1	Floor
			3
C		B	2
		A	1

- S and P live on the same floor of the building and both not live on the lowest floor
- P is to the right end of the floor.

Case 1

Flat 3	Flat 2	Flat 1	Floor
S		P	3
C		B	2
		A	1

Case 2

Flat 3	Flat 2	Flat 1	Floor
	S	P	3
C		B	2
		A	1

Case 2 is not valid because,

- Only one floor is between P and E, who lives in the even numbered flat
- Neither S nor Q lives on the same floor and flat. Q is an immediate neighbour of B and C.

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Case 1

Flat 3	Flat 2	Flat 1	Floor
S		P	3
C	Q	B	2
	E	A	1

Case 2

Flat 3	Flat 2	Flat 1	Floor
	S	P	3
C		B	2
		A	1

- R never lives in the middle of the flat

Hence, the Final arrangement as follows

Flat 3	Flat 2	Flat 1	Floor
S	D	P	3
C	Q	B	2
R	E	A	1

ANSWERS:

11. C
12. E
13. B
14. E
15. D

Solution (11-15):

- R lives on floor 2, which doesn't have a vacant flat.
- R is to the left Q and M

Case 1

Floor	Flat 1	Flat 2	Flat 3
3			
2	R	M	Q
1			

Case 2

Floor	Flat 1	Flat 2	Flat 3
3			
2	R	Q	M
1			

Case 2 is not valid. Because

- Q lives exactly above O and lives in the odd numbered flat

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Case 1

Floor	Flat 1	Flat 2	Flat 3
3			
2	R	M	Q
1			O

Case 2

Floor	Flat 1	Flat 2	Flat 3
3			
2	R	Q	M
1			

- Only one floor is between O and P, who lives in an odd numbered flat.
- P lives two floors above N and lives on the floor, which is having a vacant flat.
- Neither R nor N lives in the even numbered flat.

Case 1

Floor	Flat 1	Flat 2	Flat 3
3	P		
2	R	M	Q
1	N		O

Case 2

Floor	Flat 1	Flat 2	Flat 3
3			P
2	R	M	Q
1	N		O

Case 2 is not valid. Because

R is to the left Q and M, who lives southwest of a vacant flat. S lives immediate left of O and lives in the same flat as T.

Hence, the Final arrangement as follows

Floor	Flat 1	Flat 2	Flat 3
3	P	T	-
2	R	M	Q
1	N	S	O

ANSWERS:

16. B

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17. E

18. D

19. D

20. B

Solution (16-20):

- Two floors are between Babu and Bama, who live exactly below of vacant flat
- Bama who lives in the even numbered flat.

Case 1

Floor	Flat 1	Flat 2
4	Babu	
3		
2		X
1		Bama

case 2

Floor	Flat 1	Flat 2
4		Babu
3		
2		X
1		Bama

Case 2 is not valid. Because,

- Babu and Basha never live in the same flat.
- Praveen lives the immediate right of Babu.

Case 1

Floor	Flat 1	Flat 2
4	Babu	praveen
3		
2		X
1		Bama

case 2

Floor	Flat 1	Flat 2
4		Babu
3		
2		X
1		Bama

- Basha lives two floors above Bama.
- The number of persons lives on the floor numbered 3 and 2 are not divisible by 2.

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Case 1

Floor	Flat 1	Flat 2
4	Babu	praveen
3	X	Basha
2		X
1		Bama

case 2

Floor	Flat 1	Flat 2
4	Babu	praveen
3	Basha	X
2		X
1		Bama

Case 2 is not valid. Because,

- No person lives in the flat exactly above of Bhai, who lives in the even numbered Floor

Hence, the Final arrangement as follows

Floor	Flat 1	Flat 2
4	Babu	praveen
3	X	Basha
2	Bhai	X
1	Prem	Bama

ANSWERS:

21. C

22. A

23. B

24. D

25. E

Solution (21-25):

- One who works as an engineer is not the immediate neighbour of Y, who lives exactly below of one who works as a scientist in the same flat
- Lawyer and scientist live on the same numbered floor.
- One who work as scientist lives to the right of both N and one who works as a lawyer

Case 1

Floor	Flat A	Flat B	Flat C
2	Lawyer	N	Scientist
1			Y

Case 2

Floor	Flat A	Flat B	Flat C
2	N	Lawyer	Scientist
1			Y

Case 2 is not valid. Because,

- One who works as a teacher is two places away from Z on the same floor.
- N is a police and lives above the one who works as a teacher but not in the same flat as Z.
- Neither Z nor O works as a lawyer.

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Case 1

Floor	Flat A	Flat B	Flat C
2	Lawyer	N Police	Scientist
1	Z Engineer		Y Teacher

Case 2

Floor	Flat A	Flat B	Flat C
2	N	Lawyer	Scientist
1	Z		Y Teacher

- X lives in the vowel alphabet flat.

Floor	Flat A	Flat B	Flat C
2	X Lawyer	N Police	Scientist
1	Z Engineer	Doctor	Y Teacher

- O lives to the right end of one of the floors.

Hence, the Final arrangement as follows

Floor	Flat A	Flat B	Flat C
2	X Lawyer	N Police	O Scientist
1	Z Engineer	M Doctor	Y Teacher

ANSWERS:

26. A

27. C

28. B

29. A

30. B

Solution (26-30):

- Both A and P never live on the same floor but both live in the same numbered flat.
- More than one floor is above A, who lives in flat 1.
- A lives above P

Floor	Flat 1	Flat 2	Flat 3
4			
3			
2	A		
1	P		

- Two floors are between P and B, who lives in the odd numbered flat
- A is the immediate neighbour of M, who lives in the middle flat

Floor and Flat Puzzle for Bank PO Prelims Exam

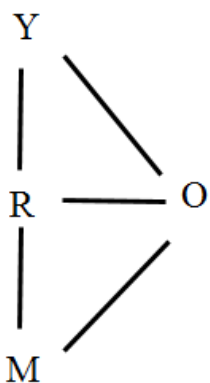
Case 1

Floor	Flat 1	Flat 2	Flat 3
4			B
3			
2	A	M	
1	P		

Case 2

Floor	Flat 1	Flat 2	Flat 3
4	B		
3			
2	A	M	
1	P		

- O lives adjacent to R, who lives to the south of Y.
- Y lives to the immediate northwest of O, who lives to the immediate northeast of M.



Case 1

Floor	Flat 1	Flat 2	Flat 3
4		Y	B
3		R	O
2	A	M	
1	P		

Case 2

Floor	Flat 1	Flat 2	Flat 3
4	B	Y	
3		R	O
2	A	M	
1	P		

Case 2 is not valid. Because

- Exactly in the straight line more than two persons live above of P which is the same as below of N, who lives to the north of P

Floor and Flat Puzzle for Bank PO Prelims Exam

Case 1

Floor	Flat 1	Flat 2	Flat 3
4	N	Y	B
3		R	O
2	A	M	
1	P		

Case 2

Floor	Flat 1	Flat 2	Flat 3
4	B	Y	
3		R	O
2	A	M	
1	P		

- Q never lives in the odd numbered floor.
- X lives immediate neighbour of C, who lives in the right end of the floor

Hence, Final arrangements as follows,

Floor	Flat 1	Flat 2	Flat 3
4	N	Y	B
3	Z	R	O
2	A	M	Q
1	P	X	C

ANSWERS:

31. E

32. C

33. D

34. D

35. E

Solution (31-35):

- Less than two floors are below of Mugi, who lives in the even numbered flat
- Mugi lives in the floor immediately above of Mani.

Floor	Flat 1	Flat 2	Flat 3
3			
2		Mugi	
1			

- Mani and Manoj never live on the same floor and same flat but both live in the odd numbered flat
- Manoj never lives on the topmost floor.

Floor and Flat Puzzle for Bank PO Prelims Exam

Case 1

Floor	Flat 1	Flat 2	Flat 3
3			
2	Manoj	Mugi	
1			Mani

Case 2

Floor	Flat 1	Flat 2	Flat 3
3			
2		Mugi	Manoj
1	Mani		

Case 2 is not valid. Because,

- Manoj lives to the southwest of the vacant floor.
- One of the flats is vacant in the odd numbered floor, which is above of Mani

Case 1

Floor	Flat 1	Flat 2	Flat 3
3		X	
2	Manoj	Mugi	
1			Mani

Case 2

Floor	Flat 1	Flat 2	Flat 3
3			X
2	Manoj	Mugi	
1			Mani

- Madhi lives in the odd numbered floor and flat but not lives in the flat 1.

Floor and Flat Puzzle for Bank PO Prelims Exam

Case 1

Floor	Flat 1	Flat 2	Flat 3
3		X	Madhi
2	Manoj	Mugi	
1			Mani

~~Case 2~~

Floor	Flat 1	Flat 2	Flat 3
3			X
2	Manoj	Mugi	
1			Mani

- Neither Mahi nor Maran lives in the even numbered flat nor live on the floor 1.

Case 1

Floor	Flat 1	Flat 2	Flat 3
3	Mahi	X	Madhi
2	Manoj	Mugi	Maran
1			Mani

Case 1a

Floor	Flat 1	Flat 2	Flat 3
3	Maran	X	Madhi
2	Manoj	Mugi	Mahi
1			Mani

Case 1a is not valid. Because,

- No one lives above of Mahi.
- Madhu never lives in the odd numbered flat.
- Hence, the Final arrangement as follows**

Floor	Flat 1	Flat 2	Flat 3
3	Mahi	X	Madhi
2	Manoj	Mugi	Maran
1	X	Madhu	Mani

ANSWERS:

- 36. C
- 37. B
- 38. E
- 39. B
- 40. A

Floor and Flat Puzzle for Bank PO Prelims Exam

Solution (36-40):

- Three floors are between C and R, who lives below B.
- Neither R nor C lives in the odd numbered flat.

Floor	Flat 1	Flat 2
5		C
4		
3		
2		
1		R

- More than two floors are there above of D.
- D and R don't live on the same floor.

Case 1

Floor	Flat 1	Flat 2
5		C
4		
3		
2	D	
1		R

Case 2

Floor	Flat 1	Flat 2
5		C
4		
3		
2		D
1		R

Case 2 is not valid. Because,

- Q lives three floors above of B, who lives in the even numbered flat

Floor and Flat Puzzle for Bank PO Prelims Exam

Floor	Flat 1	Flat 2
5	Q	C
4		
3		
2	D	B
1		R

- The number of persons living above the floors of S is the same as the number of persons living below floors of P.
- S lives two floors below of C

Case 1

Floor	Flat 1	Flat 2
5	Q	C
4		
3	S	P
2	D	B
1		R

Case 2

Floor	Flat 1	Flat 2
5	Q	C
4		
3	P	S
2	D	B
1		R

Case 2 is not valid. Because,

- A lives above of S and below of C, who lives to the northeast of S.
- T lives beside A and not lives in the same flat as D.

Hence, the Final arrangement as follows

Floor	Flat 1	Flat 2
5	Q	C
4	A	T
3	S	P
2	D	B
1	U	R

ANSWERS:

41. C
42. D
43. C
44. E
45. C

Floor and Flat Puzzle for Bank PO Prelims Exam

Solution (41-45):

- U is 41 years old and lives in the middle floor of the apartment.
- W lives immediately below of U and the age is a square number.
- Neither W nor X lives in the even numbered flat

Case 1

Floor	Flat 1	Flat 2	Flat 3
3			
2	U-41		
1	W		

Case 2

Floor	Flat 1	Flat 2	Flat 3
3			
2			U-41
1			W

Case 2 is not valid. Because,

- S lives two floors above of P whose age is multiple of 5 and lives in the even numbered flat.
- The difference between the age of W and S is 11. Sum of the ages of floor 1 is 103
- V is the immediate right of P and the age is a prime number.
- S lives to the north of P

$W=25$ or 36 or 49

$S-W=11$

Floor	Flat 1	Flat 2	Flat 3
3		S	
2	U-41		
1	W	P	V

- T and Q live in the odd numbered flat but different floor and their ages are having unit digit of number 9.

$P=25$ or 65 , P's age multiple of 5

$W=25$ or 36 , W's age square number

$T=19$ or 49

$Q=19$ or 49

Case 1

Floor	Flat 1	Flat 2	Flat 3
3	Q	S	
2	U-41		T
1	W	P	V

Case 2

Floor	Flat 1	Flat 2	Flat 3
3	T	S	
2	U-41		Q
1	W	P	V

- S lives to the north of P. R's age is a prime number but above 20.

Floor and Flat Puzzle for Bank PO Prelims Exam

- S lives above T and S's age is multiple of 6. Q is younger than T.

S=36, S's age Multiple of 6

S-W=11 so W=25

Hence, P=65, T=49, and Q=19 because Q is younger than T

W+P+V=103 (Floor 1) so V=13 and R=23(prime)

X=56 (remaining)

Hence, Final arrangements as follows

Floor	Flat 1	Flat 2	Flat 3
3	Q -19	S -36	X-56
2	U-41	R-23	T-49
1	W -25	P -65	V -13

ANSWERS:

- 46. E
- 47. E
- 48. C
- 49. D
- 50. A

Solution (46-50):

- Z lives in the flat 1 of floor 3 and lives above of vacant flat.
- More than two persons live above of V in the same flat and lives in the even numbered flat

Floor	Flat 1	Flat 2	Flat 3
4			
3	Z		
2			
1		V	

- . X is the first person to live exactly below of Z.

Case 1

Floor	Flat 1	Flat 2	Flat 3
4			
3	Z		
2	-		
1	X	V	

Case 2

Floor	Flat 1	Flat 2	Flat 3
4			
3	Z		
2	X		
1		V	

Case 2 is not valid because,

- X does not live in the even numbered floor
- O lives to the immediate southwest of N, who lives in the same numbered floor and flat

Floor and Flat Puzzle for Bank PO Prelims Exam

Case 1

Floor	Flat 1	Flat 2	Flat 3
4			
3	Z		N
2	-	O	
1	X	V	

Case 2

Floor	Flat 1	Flat 2	Flat 3
4			
3	Z	N	
2	X		
1		V	

- M and N live neither in the even numbered flat nor in the same flat.
- O and Y live on the same floor of the Building.

Case 1

Floor	Flat 1	Flat 2	Flat 3
4	M		
3	Z		N
2	-	O	Y
1	X	V	

- Only two persons live in flat 3.
- U lives below of W in the same flat.
- **Hence, final arrangements as follows**

Floor	Flat 1	Flat 2	Flat 3
4	M	W	-
3	Z	U	N
2	-	O	Y
1	X	V	-

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