# SBI PO Prelims <br> Reasoning Ability PDF 

1.If in the number 918755389401 , positions of the first and the second digits are interchanged, position of the third and fourth digits are interchanged and so on till the positions of the 11th and 12th digits are interchanged, which digit will be 7th from the right end?
A. 1
B. 0
C. 3
D. 9
E. 5

Direction: Read the following information carefully to answer the following questions.
A person is standing at point $P$. He starts walking towards the west and walks for 6 m , then he takes a left turn and walks for 4 m and reaches a point Q . After that, he takes a right turn and walks for 5 m , then he takes a left turn and walks for 3 m and reaches a point R. Point S is 9 m to the east of point R. Point $V$ is 3 m to the north of point $T$ and point $T$ is 7 m to the south of point $P$.
2. How far is point Q with respect to point V ?
A. 5 m
B. 4 m
C. 6 m
D. 8 m
E. 11 m

Direction: In these questions, a relationship between different elements is shown in the statements. The statements are followed by two conclusions. Give answer:
3. Statements:

S > A = N > D; A $>\mathrm{L}>\mathrm{E} ; \mathrm{M}<\mathrm{L}<\mathrm{O}$

## Conclusions:

I) $S>E$
II) $\mathrm{A}<\mathrm{O}$
A. Both conclusions I and II are true
B. Only conclusion II is true
C. Only conclusion I is true
D. Either conclusion I or II is true
E. Neither conclusion I nor II is true
4.If it is possible to make only one meaningful English word with the second, the third, and the sixth letters of the word INEVITABLE, which of the following will be the third letter of that word? If no such word can be made

give ' X ' as the answer and if more than one such word can be made give ' $Y$ ' as the answer.
A. N
B. D
C. S
D. $X$
E. Y
5.In which of the following direction is point $T$ with respect to point $R$ ?
A. South-east
B. East
C. West
D. North-east
E. North-west

## 6.Statements:

W < Q > R; R = T; T < S

## Conclusions:

I. $\mathrm{Q}<\mathrm{T}$
II. $\mathrm{S}>\mathrm{W}$
A. Only conclusions I is true
B. Only conclusions II is true
C. Either conclusions I or II is true
D. Neither conclusions I nor II is true
E. Both conclusions I and II are true

Direction: In each of the questions below are given few statements followed by three conclusions. You have to take the given statements to be true even if they seem to be at variance from commonly known facts. Read all the conclusions and then decide which of the given conclusions logically follow from the given statements disregarding commonly known facts.

## 7. Statements:

All mothers are fathers.
All children are fathers.
A few mothers are not children.

## Conclusions:

I. All fathers are children, is a possibility.
II. Some fathers are not children.
III. All children being mother is a possibility.
A. Either II and III follows
B. Only III follows
C. Only II and III follow

D. Only I and III follow
E. None follows

## 8.Statements:

Only a few engineers are boys.
A few boys are girls.
No girl is dumb.

## Conclusions:

I. All engineers being boy is a possibility.
II. All engineers being girl is a possibility.
III. All engineers being dumb is a possibility.
A. Only I and II follow
B. Only III follows
C. Only II and III follow
D. Only I and III follows
E. None follows

Direction: Study the following arrangement of numbers, letters and symbols carefully and answer the questions given below:

R 4 \$ ME7T\#A2J@UK9PI \% 18 QW 3 d Z5 HN 6 F © V G
9. Which of the following should come in place of question mark (?) in the following series based on the elements in the above arrangement?

M\$7 A\#J KUP ?
A. $1 \% \mathrm{~W}$
B. 1 I Q
C. 1 I W
D. 1 \% Q
E. None of these
10. How many such symbols are there in the above arrangement, each of which is immediately preceded by a consonant and also immediately followed by a vowel?
A. None
B. One
C. Two
D. Three
E. Four

Direction: Study the following information carefully and answer the questions given below:

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- Akram, Bakhtawar, Changez, Dayud, Ekam, Farah, Gulrej and Humayun are seated in the straight line facing north.
- Changez sits fourth to the left of Gulrej. Dayud sits second to the right of Gulrej.
- Only two people sit between Dayud and Akram. Bakhtawar and Farah sit adjacent to each other.
- Humayun is not an immediate neighbour of Dayud. Two people are sitting between Humayun and Farah.

11. Who among the following sits exactly in the middle?
A. Changez and Ekam
B. Humayun and Farah
C. Ekam and Akram
D. Farah and Akram
E. None of Above
12. Who among the following sits third to the right of Changez?
A. Bakhtawar
B. Farah
C. Akram
D. Ekam
E. Can't be determined

Direction: Study the information given below and answer the questions based on it.
Gaurav starts walking from point E and walks towards north and stops at point D. Now he takes a left turn followed by a right turn and stops at point B. He finally takes a right turn and stops at point C. He walks 20 meters each time between two points.
13. What is the distance between the points $E$ and $C$ ?
A. 20 m
B. 40 m
C. 50 m
D. Can't be determined
E. None of these
14.In which direction is $B$ with respect to $E$ ?
A. North
B. South
C. North-East
D. North-West
E. None of these


Direction: These questions are based on the following information.
Seven people - S, T, U, V, W, X, and Y - are living in a seven-storey building but not necessarily in the same order. The ground floor is the first floor and the floor immediately above the first floor is the second floor and so on. Each of them likes different games among cricket, wrestling, badminton, squash, tennis, volleyball, and snooker. The following information is known about them.
(i) The person who likes cricket lives on an odd-numbered floor but lives below U.
(ii) Three persons are living between $U$ and the one who likes snooker.
(iii) X , who lives on an odd-numbered floor, likes wrestling and lives immediately above $T$ but not on the topmost floor.
(iv) Y likes squash and lives adjacent to the one who likes tennis.
(v) T likes either volleyball or badminton.
(vi)W lives adjacent to the one who likes volleyball but does not like snooker.
(v) The one who likes badminton lives below $S$.
15. Who among the following lives on the second floor?
A. The one who likes volleyball
B. The one who likes cricket
C. The one who likes tennis
D. The one who likes snooker
E. Cannot be determined
16.Four of the following are alike in a certain way and hence form a group. Which is the one that does not belong to that group?
A. Y-Cricket
B. W - Badminton
C. U-Snooker
D. U-Volleyball
E. S - Squash

Direction: Study the following information carefully and answer the given questions:
Twelve girl students $\mathrm{L}, \mathrm{M}, \mathrm{N}, \mathrm{O}, \mathrm{P}, \mathrm{Q}, \mathrm{R}, \mathrm{S}, \mathrm{T}, \mathrm{U}, \mathrm{V}$ and W are sitting in a row facing east. Q is third to the right of M and T is sitting near L . Six girl students are sitting between W and $\mathrm{O} . \mathrm{R}$ is fourth to the right of O and S is fifth to the left of $P$, who is eight to the right of $W$. $L$ is sitting on sixth place from the right end. $U$ is not near to $R$ and $S . V$ is sitting on the fourth place to the left of L .
17. Who is the two girl students sitting at the two ends?
A. W and N

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B. W and R
C. V and O
D. O and Q
E. None of these
18. Find out the names of two girl students sitting near to Q ?
A. T and V
B. $N$ and $S$
C. $V$ and $U$
D. $S$ and $T$
E. None of these

Direction: Study the following information to answer the given questions. Eight friends are sitting in two parallel rows containing four people each, in such a way that there is an equal distance between adjacent persons. In row1 R, T, Z and O are seated (but not necessarily in the same order) and all of them are facing North. In row- $2 \mathrm{~N}, \mathrm{M}, \mathrm{P}$ and Q are seated (but not necessarily in the same order) and all of them are facing South. Therefore, in the given seating arrangement each friend seated in a row faces another friend of the other row. N sits second to the left of P who has two neighbours. Z is not sitting at a corner and he does not face $P$. $O$ is a neighbour of $T$ but not of $Z$. $M$ does not face $Z$.
19. Who amongst the following faces O ?
A. N
B. M
C. P
D. Q
E. Cannot be determined
20. Who amongst the following faces Q ?
A. R
B. T
C. Z
D. O
E. Cannot be determined

Direction: Study the following data carefully and answer the questions accordingly.

Ten friends $\mathrm{P}, \mathrm{Q}, \mathrm{R}, \mathrm{S}, \mathrm{T}, \mathrm{U}, \mathrm{V}, \mathrm{W}, \mathrm{X}$ and Y sit around a circular table facing outside but not necessarily in the same order. $P$ sits third to the right of $S$, who sits three places away from T. Y sits fifth to the right of $R$, who is not an
immediate neighbour of P and T . P and Y are not immediate neighbours. X sits three places away from $Y$. $V$ sits three places away from $U$, who is not an immediate neighbour of Y . W is not an immediate neighbour of P and Y .
21. How many persons are sitting between V and U when counted from the right of V ?
A. Three
B. More than four
C. Two
D. Four
E. Cannot be determined
22. Which of the following is true regarding W?
A. W sits between T and S
B. $Y$ sits third to the left of $W$
C. W sits three places away from R
D. Q sits five places away from W
E. None is true
23.A person walks in north direction and covers a distance of 7 meters. Now he takes a left turn and walks for 6 meters. Again he takes left turn and walks for 15 meters and reaches his office. Find the distance between his starting point and his office and in which direction is the person's office from the starting point?
A. 10 m , North east
B. 10 m , North west
C. 10 m , South east
D. 10 m , South west
E. 8m, South west
24.Ravi cycles 3 km towards the east and takes the first right turn and cycles for another 5 km to point A. From point A he takes a left turn and cycles 7 km to point $B$, after covering another 4 km in the same direction he rests for a while. How much distance has Ravi covered from point A till the time he stops?
A. 16 km
B. 11 km
C. 19 km
D. 15 km
E. 8 km

Direction: Study the information given below and answer the questions based on it.

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Seven types of boxes H, I, J, K, L, M and N of different colours Grey, White, Blue, black, Pink, Red and Orange are kept in different shelves A, B, C, D, E, F and G. The order of the type of Boxes, Colours and the Shelves are not necessarily in the same order.

Box I is not kept in Shelves B or C and is Red in colour. Box K is kept in shelf G and is not Pink or Grey. M is kept in shelf A and is White in colour. Boxes J and $L$ are kept in shelf $E$ and $F$ respectively and are black and Blue in colour respectively. N is not Pink in colour. Grey Box is not kept in shelves B.
25. Which of the following Box is orange in colour?
A. H
B. I
C. K
D. L
E. None of these
26.Box I kept in which shelves?
A. C
B. D
C. E
D. F
E. None of these

Direction: Study the following information carefully and answer the questions given below.

Eight persons from different countries -Canada, Cuba, Japan, France, Angola, Bhutan, Denmark and Russia- are sitting in two parallel rows containing four people each in such a way that there is an equal distance between adjacent persons. In row-1 A, B, C and D are seated and all of them are facing north. In row-2, $M, N, O$ and $P$ are seated and all of them are facing south. Therefore, in the given seating arrangement, each member is seated in a row facing another member of the other row, but not in the same order.

C sits second to the right of the person from Russia. O is an immediate neighbour of the person who faces the person from Russia. Only one person sits between O and the person from France. The immediate neighbour of the person from France faces the person from Japan. The person from Canada faces the person from Bhutan. O is not from Bhutan. M is not from France. M does not face the person from Russia. N faces the person from Angola. The one who faces $P$ sits on the immediate left of $A$. B does not sit at any of the extreme ends of the line. The person from Russia does not face the person from Cuba.
27. Who sits between O and the person who is from France?
A. The person from Bhutan
B. $M$
C. N
D. The person from Cuba
E. P

Direction: Study the information given below and answer the questions based on it.

A is smaller than $C$ and is not the smallest. $D$ is smaller than a minimum of two persons. C is not the largest. B is larger than only one person. E is larger than C . A is larger than only two persons.
28. Who among the following is the smallest person?
A. B
B. D
C. A
D. E
E. None of these

Direction: Study the following information and answer the questions.
Eight People - Aarti, Gita, Sakshi, Divya, Manisha, Anjali, Lata and Mona live in eight different floors of building (but not necessarily in the same order). 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 likes a different colors which are - Pink, Red, Green, Yellow, Brown, Orange, Black and Blue (but not necessarily in the same order.

Anjali lives an odd numbered floor above the floor numbered four. Only one person lives between Anjali and the one who likes Green. Only three people live between Divya and the one who likes Orange color. Sakshi lives at one of the odd numbered floors above the one who likes orange. Only two people live between Sakshi and the one who likes Pink color. The one who likes Black colour lives immediately above Lata. Lata likes neither Orange nor Pink color. The number of people living above Anjali is same as the number of people living between Anjali and Divya. Manisha does not like Black color. Only three people live between Lata and Aarti. The one who likes Blue color lives immediately above the one who likes Red color, but not on the topmost floor. Only one person lives between the one who likes Blue color and Mona. Only one person lives between Gita and the one who likes Brown color.
29. Which of the following Statement(s) is/are true with respect to the given information?
A. Divya likes Brown color
B. Manisha lives immediately above Sakshi
C. Only three people live between Anjali and the one who likes Blue color.
D. Lata lives immediately above the one who likes Orange color
E. All the given statements are true.

Direction: Study the following information carefully to answer the given questions.
A sports week is organised in the second week of a month, starting from Monday to Saturday. Shilpa, Rahul, Rekha, Megha, Shekhar and Yogesh are six participants, each playing a different game, viz Carrom, Cricket, Long Jump, Poker, Hockey and Tennis. Each of them participates on a different day of the week. The one who is a hockey player participates on Thursday. Rekha, who is a Long Jump Player, participates on Tuesday. Megha is a Carrom player, participates neither on Wednesday nor on Saturday. Rahul is neither a Poker player nor a Hockey player and participates on Friday. Shekhar is a Hockey player and Shilpa is participating in Tennis.
30.

Who among the following is a Cricket player?
A. Yogesh
B. Rahul
C. Megha
D. Can't be determined
E. None of these

## \#\#\#ANSWERS\#\#\#

1. Ans. E.

Given number is: $\mathbf{9 1 8 7 5 5 3 8 9 4 0 1}$
After interchanging the positions of the digits as per the question, the number becomes: 197855834910
Thus, the $7^{\text {th }}$ digit from the right end will be 5 .
2. Ans. C.


## Point $Q$ is $\mathbf{6 m}$ to the west of point $V$. Hence, option C

3. Ans. C.

Given statements: $S>A=N>D ; A>L>E ; M<L<O$
On combining: $A>L<O ; S>A>L>E ; A=N>D ; M<L$
Conclusion:
I) $\mathrm{S}>\mathrm{E} \rightarrow$ True (as, $\mathrm{S}>\mathrm{A}>\mathrm{L}>\mathrm{E} \rightarrow \mathrm{S}>\mathrm{E}$ )
II) $\mathrm{A}<\mathrm{O} \rightarrow$ False (as, $\mathrm{A}>\mathrm{L}<\mathrm{O} \rightarrow$ No relation found between O and A )

Therefore, only conclusion I is true.
4. Ans. E.

Given Word: INEVITABLE
2nd letter = N; 3rd letter = E; 6th letter = T
Letters have given: N, E, T
Possible words: NET, TEN
Hence, two words can be made, and the answer is Y .
5. Ans. B.

## Point $T$ is east of point $R$. Hence, option B


6. Ans. D.

On combining: $\mathrm{W}<\mathrm{Q}>\mathrm{R}=\mathrm{T}<\mathrm{S}$
I. $\mathrm{Q}<\mathrm{T}$ is false as $\mathrm{Q}>\mathrm{R}=\mathrm{T}$
II. $\mathrm{S}>\mathrm{W}$ is false as $\mathrm{W}<\mathrm{Q}>\mathrm{R}=\mathrm{T}<\mathrm{S}$ and hence no relation can be established between $S$ and $W$
Hence both the conclusions are false.
7. Ans. C.

The least possible Venn diagram for the given statements is as follows:


Conclusions:
I. All fathers are children, is a possibility therefore Not possible, hence false.
II. Some fathers are not children therefore Sure, hence true.
III. All children being mother is a possibility therefore Possible, hence true.

So, II and III follow.
8. Ans. C.

The least possible Venn diagram for the given statements is as follows:


Conclusions:
I. All engineers being boy is a possibility therefore Not possible, hence false.
II. All engineers being girl is a possibility therefore Possible, hence true.

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III. All engineers being dumb is a possibility therefore Possible, hence true.


So, II and III follow.
9. Ans. D.

M\$7 A\#J KUP 1\%Q
10. Ans. C.

T \# A, J @ U
11. Ans. D.

12. Ans. C.

13. Ans. B.

14. Ans. D.

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15. Ans. D.

The one who likes snooker lives on the second floor.
It is given that the person who likes cricket lives on an odd-numbered floor but lives below $U$. Three persons are living between $U$ and the one who likes snooker. X who lives on an odd-numbered floor likes wrestling and lives immediately above $T$ but not on the topmost floor. From above we get the following three possibilities.
(i)

| Floor | Person | Game |
| :--- | :--- | :--- |
| 7 | - | - |
| 6 | U | - |
| 5 | $X$ | Wrestling |
| 4 | T | - |
| 3 | - | Cricket |
| 2 | - | Snooker |
| 1 | - | - |

(ii)

| Floor | Person | Game |
| :--- | :--- | :--- |
| 7 | U | - |
| 6 | - | - |
| 5 | X | Wrestling |
| 4 | T | - |
| 3 | - | Snooker |
| 2 | - | - |
| 1 | - | Cricket |

(iii)

| Floor | Person | Game |
| :--- | :--- | :--- |
| 7 | - | - |
| 6 | U | - |
| 5 | X | Wrestling |
| 4 | T | - |
| 3 | - | - |
| 2 | - | Snooker |
| 1 | - | Cricket |

It is given that V likes squash and lives adjacent to the one who likes tennis and T likes volleyball or badminton. Thus, in cases (i) and (iii) Y lives on the topmost floor and $U$ likes tennis. In case (ii), V lives on the sixth floor and U likes tennis. As W lives adjacent to the one who likes volleyball and W does not like snooker, in case (i) W likes cncket, T likes volleyball and the one who likes badminton live on the ground floor. In case (ii), W likes cricket, the one who likes volleyball lives on the second floor and T likes badminton. In case (iii). T likes volleyball, W lives on the third floor and likes badminton. As the one who likes badminton lives below S , case (ii) and case (iii) are eliminated. Thus, in case (i) S lives on the second floor and $V$ lives on the ground floor. Hence, the final living arrangement is as below.

| Floor | Person | Game |
| :--- | :--- | :--- |
| 7 | Y | Squash |
| 6 | U | Tennis |
| 5 | X | Wrestling |
| 4 | T | Volleyball |
| 3 | W | Cricket |
| 2 | S | Snooker |
| 1 | V | Badminton |

16. Ans. E.

Except S-Squash, in all other options, the given person lives above the one who likes the given game.
It is given that the person who likes cricket lives on an odd-numbered floor but lives below $U$. Three persons are living between $U$ and the one who likes snooker. X who lives on an odd-numbered floor likes wrestling and lives immediately above T but not on the topmost floor. From above we get the following three possibilities.
(i)

| Floor | Person | Game |
| :--- | :--- | :--- |
| 7 | - | - |
| 6 | U | - |
| 5 | $X$ | Wrestling |
| 4 | T | - |
| 3 | - | Cricket |
| 2 | - | Snooker |
| 1 | - | - |

(ii)

| Floor | Person | Game |
| :--- | :--- | :--- |
| 7 | U | - |
| 6 | - | - |
| 5 | X | Wrestling |
| 4 | T | - |
| 3 | - | Snooker |
| 2 | - | - |
| 1 | - | Cricket |

(iii)

| Floor | Person | Game |
| :--- | :--- | :--- |
| 7 | - | - |
| 6 | U | - |
| 5 | X | Wrestling |
| 4 | T | - |
| 3 | - | - |
| 2 | - | Snooker |
| 1 | - | Cricket |

It is given that V likes squash and lives adjacent to the one who likes tennis and T likes volleyball or badminton. Thus, in cases (i) and (iii) Y lives on the topmost floor and $U$ likes tennis. In case (ii), V lives on the sixth floor and U likes tennis. As W lives adjacent to the one who likes volleyball and W does not like snooker, in case (i) W likes cncket, T likes volleyball and the one who likes badminton live on the ground floor. In case (ii), W likes cricket, the one who likes volleyball lives on the second floor and T likes badminton. In case (iii). T likes volleyball, W lives on the third floor and likes badminton. As the one who likes badminton lives below S , case (ii) and case (iii) are eliminated. Thus, in case (i) S lives on the second floor and $V$ lives on the ground floor. Hence, the final living arrangement is as below.

| Floor | Person | Game |
| :--- | :--- | :--- |
| 7 | Y | Squash |
| 6 | U | Tennis |
| 5 | X | Wrestling |
| 4 | T | Volleyball |
| 3 | W | Cricket |
| 2 | S | Snooker |
| 1 | V | Badminton |

17. Ans. B.

18. Ans. D.

19. Ans. B.

20. Ans. C.

21. Ans. B.
1) $P$ sits third to the right of $S$, who sits three places away from $T$.
2) $Y$ sits fifth to the right of $R$, who is not an immediate neighbor of $P$ and $T$.
3) $P$ and $Y$ are not immediate neighbors.

4) $X$ sits three places away from $Y$.

5) $W$ is not an immediate neighbor of $P$ and $Y$.

6 ) $V$ sits three places away from $U$, who is not an immediate neighbor of $Y$.


Therefore, option B is the correct answer.
22. Ans. C.

1) P sits third to the right of $S$, who sits three places away from $T$.
2) $Y$ sits fifth to the right of $R$, who is not an immediate neighbor of $P$ and $T$.
3) $P$ and $Y$ are not immediate neighbors.
4) $X$ sits three places away from $Y$.

5) $W$ is not an immediate neighbor of $P$ and $Y$.
6) $V$ sits three places away from $U$, who is not an immediate neighbor of $Y$.


Therefore, option C is the correct answer.
23. Ans. D.

$8^{2}+6^{2}=64+36=100$


Square root of $100=10 \mathrm{~m}$
His office is in south west direction from the starting point.
24. Ans. B.

$\therefore$ Required distance $=7 \mathrm{~km}+4 \mathrm{~km}=11 \mathrm{~km}$
25. Ans. C.

| H | Pink | B |
| :--- | :--- | :--- |
| I | Red | D |
| J | Black | E |
| K | Orange | G |
| L | Blue | F |
| M | White | A |
| N | Grey | C |

26. Ans. B.

| H | Pink | B |
| :--- | :--- | :--- |
| I | Red | D |
| J | Black | E |
| K | Orange | G |
| L | Blue | F |
| M | White | A |
| N | Grey | C |

27. Ans. E.

- C sits second to right of the person from Russia.
- $M$ is not from France.
- M does not face the person from Russia.
- $O$ is an immediate neighbour of the person who faces the person from Russia.
- The person from Russia does not face the person from Cuba.
- Only one person sits between O and the person from France.
- The immediate neighbour of the person from France faces the person from Japan.
-The person from Canada faces the person from Bhutan.
- $O$ is not from Bhutan.

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- $N$ faces the person from Angola.
- The one who faces $P$ sits on the immediate left of $A$.
- $B$ does not sit at any of the extreme ends of the line.

| Row 2 | O/Canada | P/Denmark | N/France | M/Cuba |
| :--- | :--- | :--- | :--- | :--- |
| Row 1 | D/Bhutan | B/Russia | A/Angola | C/Japan |

28. Ans. B.

- $A$ is smaller than $C$ and is not the smallest. ( $C>A$ )
- D is smaller than minimum 2 persons, C is not largest,
- $B$ is larger than only 1 person.(_>_>_>B>_)
- $E$ is larger than $C .(E>C>A)$
- A is larger from only two persons.

So according to above arrangement, we conclude:
E $>\mathrm{C}>\mathrm{A}>\mathrm{B}>\mathrm{D}$
29. Ans. D.

- Anjali lives an odd numbered floor above the floor numbered four. (Options for Anjali is Floor number 5 and 7. If we will place Anjali in floor number 7 then this will not workout so place Anjali on floor number 5)
- The number of people living above Anjali is same as the number of people living between Anjali and Divya. (Divya will place on floor number 1)
- Only three people live between Divya and the one who likes Orange color. (Clearly, the one who lives on floor number 5 likes orange colour)
- Sakshi lives at one of the odd numbered floors above the one who likes orange. (Then sakshi should live on floor number 7)
- Only two people live between Sakshi and the one who likes Pink color. (the one who likes pink should on floor number 4)
- Only one person lives between Anjali and the one who likes Green.
-The one who likes Black colour lives immediately above Lata.
- Lata likes neither Orange nor Pink color.
- Manisha does not like Black color.
- Only three people live between Lata and Aarti. (Hence, Lata should be on floor number 6 so that Black should be placed on floor number 7, otherwise Black will go with Manisha which is not possible)
- The one who likes Blue color lives immediately above the one who likes Red color, but not on the topmost floor. (Only position left for blue and red is Floor number 2 and 1)

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- Only one person lives between the one who likes Blue color and Mona.
- Only one person lives between Gita and the one who likes Brown color. So, according to above statement we conclude:

| Floor No | Person | Colors |
| :---: | :---: | :---: |
| 8 | Gita | Yellow |
| 7 | Sakshi | Black |
| 6 | Lata | Brown |
| 5 | Anjali | Orange |
| 4 | Mona | Pink |
| 3 | Manisha | Green |
| 2 | Aarti | Blue |
| 1 | Divya | Red |

30. Ans. B.

Days: Monday to Saturday.
Six Participants: Shilpa, Rahul, Rekha, Megha, Shekhar and Yogesh.
Games: Carrum, Cricket, Long Jump, Poker, Hockey and Tennis.

1) The one who is a Hockey player participates on Thursday.
2) Rekha, who is a Long Jump Player, participates on Tuesday.

| Days | Participants | Games |
| :--- | :--- | :--- |
| Monday |  |  |
| Tuesday | Rekha | Long Jump |
| Wednesday |  |  |
| Thursday |  | Hockey |
| Friday |  |  |
| Saturday |  |  |

3) Megha is a Carrum player, participates neither on Wednesday nor on Saturday.
4) Rahul is neither a Poker player nor a Hockey player and participates on Friday.
(Hence, Megha participates on Monday)
5) Shekhar is a Hockey player.

| Days | Participants | Games |
| :--- | :--- | :--- |
| Monday | Megha | Carrum |
| Tuesday | Rekha | Long Jump |
| Wednesday | Aegha | Garrum |
| Thursday | Shekhar | Hockey |
| Friday | Rahul | Pokef, Heckey |
| Saturday | Aegha | Carrum |

6) Shilpa is participating in Tennis. (Hence, Rahul is participating in Cricket)

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| Days | Participants | Games |
| :--- | :--- | :--- |
| Monday | Megha | Carrum |
| Tuesday | Rekha | Long Jump |
| Wednesday | Anegha, Shilpa/Yogesh | Carrum, Tennis/Poker |
| Thursday | Shekhar | Hockey |
| Friday | Rahul | Pokef, Heckey, Cricket |
| Saturday | Aegha, Yogesh/Shilpa | Carrum, Poker/Tennis |

Clearly, Rahul is a Cricket player.


