# Section: Analytical & Logical Reasoning

**DIRECTIONS for the question:** Below the question are given two statements (A) and (B). The statement may be either independent causees or may be effects of independent causes or a common cause. One of the statement may be the effect of the other statement. Read both the statements and decide which of the following answer choice correctly depicts the relationship between the two statements.

## Question No.: 26

**Statement I:** Banks in Country X have recently decreased the rate of interest on home loans from the present 12 percent to 10.9 percent.

**Statement II:** Apex Bank of Country X has asked the banks to decrease the base rate, i.e. the minimum rate at which banks lend, by 2%.

- A) Both the statements (I) and (II) are the effects of some common cause.
- B) Both the statements (I) and (II) are independent causes.
- C) Both the statements (I) and (II) are effects of independent causes.
- D) Statement (I) is the cause and Statement (II) is the effect. E) Statement (II) is the cause and Statement (I) is its effect.

**Explanation:-** If a country has decreased its interest rate, banks will lower down the bank rate, so I is the cause and II is its effect.



#### Question No.: 27

Seven friends H, I, J, K, L, M and N are seated in a straight line, but not necessarily in the same order. Some of them are facing north while some are facing south.

K sits third to the left of I. Neither I nor K sits at any of the extreme ends of the line.

Only three people sit between K and M. J sits second to the right of M.

H sits to the immediate left of N. N who faces south is not an immediate neighbour of K.

Both the immediate neighbours of L face south.

Both the immediate neighbours of K face a direction opposite to N (i.e. if N faces north then both the immediate neighbours of K face south and vice-versa.

What is the position of N with respect to K?

A) Fourth to the left B) Fourth to the right C) Second to the left  $\sqrt{D}$ ) Second to the right E) Third to the right

### **Explanation:** The correct order and their direction is

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N	Н	K	L	J	L	M
1	1	1	1	1	1	1

The position of N with respect to K is second to the right.

**DIRECTIONS for the question:** Read the information given below and answer the question that follows.

### Question No.: 28

Seven friends H, I, J, K, L, M and N are seated in a straight line, but not necessarily in the same order. Some of them are facing north while some are facing south.

K sits third to the left of I. Neither I nor K sits at any of the extreme ends of the line.

Only three people sit between K and M. J sits second to the right of M.

H sits to the immediate left of N. N who faces south is not an immediate neighbour of K.

Both the immediate neighbours of L face south.

Both the immediate neighbours of K face a direction opposite to N (i.e. if N faces north then both the immediate neighbours of K face south and vice-versa.

Who amongst the following sitting at the extreme end of the line, faces north?

A) H B) J C) N D) L **√**E) No one

#### **Explanation:** The correct order and their direction is

N	Н	K	L	J	l t	M
1	1	1	11	1	1	1

Hence no one who is sitting at the extreme end of the line, faces north.

**DIRECTIONS for the question:** Read the information given below and answer the question that follows.

#### Question No.: 29

Seven friends H, I, J, K, L, M and N are seated in a straight line, but not necessarily in the same order. Some of them are facing north while some are facing south.

K sits third to the left of I. Neither I nor K sits at any of the extreme ends of the line.

Only three people sit between K and M. J sits second to the right of M.

H sits to the immediate left of N. N who faces south is not an immediate neighbour of K.

Both the immediate neighbours of L face south.



#### Question No.: 30

Seven friends H, I, J, K, L, M and N are seated in a straight line, but not necessarily in the same order. Some of them are facing north while some are facing south.

K sits third to the left of I. Neither I nor K sits at any of the extreme ends of the line.

Only three people sit between K and M. J sits second to the right of M.

H sits to the immediate left of N. N who faces south is not an immediate neighbour of K.

Both the immediate neighbours of L face south.

Both the immediate neighbours of K face a direction opposite to N (i.e. if N faces north then both the immediate neighbours of K face south and vice-versa.

In which of the following pairs are both the persons facing south?

A) H, J B) N, H C) H, L √D) K, J E) L, K

Explanation:- The correct order and their direction is

N	H	K	L	1	1	M
.1.	1		1		1	

Hence the pair K,J faces south.

**DIRECTIONS for the question:** Read the information given below and answer the question that follows.

## Question No.: 31

Seven friends H, I, J, K, L, M and N are seated in a straight line, but not necessarily in the same order. Some of them are facing north while some are facing south.

K sits third to the left of I. Neither I nor K sits at any of the extreme ends of the line.

Only three people sit between K and M. J sits second to the right of M.

H sits to the immediate left of N. N who faces south is not an immediate neighbour of K.

Both the immediate neighbours of L face south.

Both the immediate neighbours of K face a direction opposite to N (i.e. if N faces north then both the immediate neighbours of K face south and vice-versa.

Who amongst the following sit exactly between K and I?

A) L, N B) H, L C) J, N D) H, J ✓E) L, J

Explanation: The correct order and their direction is

N	Н	K	L	J		М
<b>\</b>	1	1	1	1	1	1

Hence L & J sit exactly between K and I.

**DIRECTION for the question:** Read the information given and answer the question that follows.

# Question No.: 32

High Court of State X has decided to ban an international entrepreneurial programme which was rescheduled to be launched by the State Government near sea shore of the state. Which of the following statements does not weaken the decision taken by the High Court of State X?

A) Scheduling the programme at any other place of the State rather than the sea shore will create a lot of chase for general public due to heavy traffic on roads.

Question No.: 33

**Statements:**  $L < M \ge H \ge G$ ;  $H \ge K$ ; G > Z

Conclusion I:  $K \le M$ Conclusion II: Z < L

A) neither I nor II follows B) only conclusion I follows C) Both I and II follows D) either I or II follows E) only conclusion II follows

**Explanation:**  $L < M \ge H \ge G$ ;  $H \ge K$ ; G > Z

 $M \ge H \ge K$ ;

There is not a definate relation between G and L so we cannot set a relation between Z and L

**DIRECTIONS for the question:** Solve the following question and mark the best possible option.

Question No.: 34

**Statements:**  $P \ge W \ge R < T$ ;  $W \ge L$ ; R > K

Conclusion I: L < T Conclusion II: W > K

A) neither I nor II follows B) only conclusion I follows C) both I and II follows D) either I or II follows E) only conclusion II follows

**Explanation:**-  $P \ge W \ge R < T$ ;  $W \ge L$ ; R > KThere is not a set relation W and T so there is no relation between L and T  $W \ge R > K$ so W > K so option 4

**DIRECTIONS for the question:** Solve the following question and mark the best possible option.

Question No.: 35

**Statements:**  $G > H \le L \le T$ ;  $R \le M \le N$ 

Conclusion I: R = TConclusion II: T > R

✓A) neither I nor II follows B) only conclusion I follows C) both I and II follows D) either I or II follows E) only conclusion II follows

**Explanation:-**  $G > H \le L \le T$ ;  $R \le M \le N$ There is not a relation between R and Tso Option 1

**DIRECTIONS for the question:** Solve the following question and mark the best possible option.

Question No.: 36

**Statements:**  $P \ge W \ge R < T$ ;  $W \ge L$ ; R > K



Question No.: 37

Statements:  $N \ge U < R \le D$ ; S > J

Conclusion I: J < D Conclusion II: D > S

A) neither I nor II follows B) only conclusion I follows C) both I and II follows D) either I or II follows

E) only conclusion II follows

**Explanation:**  $N \ge U < R \le D$ ; S > J

There is not a set relation between J and D, and D and S

**DIRECTIONS for the question:** Solve the following question and mark the best possible option.

Question No.: 38

**Statements:**  $L < M \ge H \ge G$ ;  $H \ge K$ ; G > Z

**Conclusion I:** K ≥G **Conclusion II:** L < G

A) neither I nor II follows B) only conclusion I follows C) Both I and II follows D) either I or II follows E) only conclusion II follows

**Explanation:**  $L < M \ge H \ge G$ ;  $H \ge K$ ; G > Z

There is not a set relation between K and G, and G and L

DIRECTIONS for the question: Solve the following question and mark the best possible option.

Question No.: 39

Statements:  $H \ge U < R \le D$ ; R < S;  $J \le U$ 

Conclusion I:  $H \ge J$ Conclusion II: J < S

A) neither I nor II follows B) only conclusion I follows 🗸 (C) both I and II follows D) either I or II follows

E) only conclusion II follows

**Explanation:-**  $H \ge U < R \le D$ ; R < S;  $J \le U$ 

 $H \ge U \ge J$  so conclusion 1 follows

 $J \le U < R < S$  so conclusion 2 also follows

**DIRECTION for the question:** Read the information given and answer the question that follows.

# Question No.: 40

The question consists of an information and two statements numbered I and II given below it. You have to decide which of the given statements weaken/s or strengthen/s the information and decide the appropriate answer.

Information: The government of state D is contemplating the inclusion of practical learning as a part of curriculum for students studying in the arts stream, which will have 50% weightage in marks.



**DIRECTIONS for the question:** The questions below has two/three statements followed by two conclusions numbered I and II. You have to take the given statements to be true even if they seem to be at variance with 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.

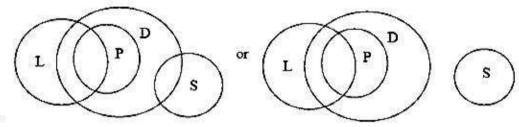
# Question No.: 41

Statements: Some levels are planets. All planets are distances. No distance is a size.

**Conclusion I:** All sizes being planets is a possibility.

Conclusion II: No level is a size.

A) either conclusion I or II is true B) only conclusion II is true C) only conclusion I is true D) neither conclusion I nor II is true E) both conclusion I and II are true



Explanation:-

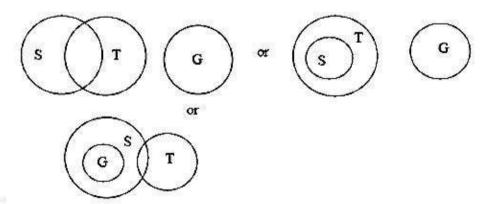
Not a definite conclusion. So option 4.

**DIRECTIONS for the question:** The questions below has two/three statements followed by two conclusions numbered I and II. You have to take the given statements to be true even if they seem to be at variance with 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.

## Question No.: 42

**Statements:** Some sales are targets. No target is a goal. **Conclusion I:** Some targets are definitely not sales. **Conclusion II:** Some goals are definitely not sales.

A) either conclusion I or II is true B) only conclusion II is true C) only conclusion I is true  $\checkmark$ D) neither conclusion I nor II is true E) both conclusion I and II are true



**Explanation:-**

Not a definite conclusion option 4.

**DIRECTIONS for the question:** The questions below has two/three statements followed by two conclusions numbered I and II. You have to take the given statements to be true even if they seem to be at variance with 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.

# Question No.: 43

**Statements:** No object is a subject. All subjects are topics. All topics are aims.



**DIRECTIONS for the question:** The questions below has two/three statements followed by two conclusions numbered I and II. You have to take the given statements to be true even if they seem to be at variance with 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.

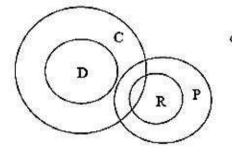
# Question No.: 44

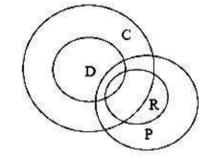
Statements: All discounts are cuts. Some cuts are rebates. All rebates are prices.

**Conclusion I:** No rebate is a discount. **Conclusion II:** Some rebates are discounts.

✓A) either conclusion I or II is true B) only conclusion II is true C) only conclusion I is true

D) neither conclusion I nor II is true E) both conclusion I and II are true





# Explanation:-

**DIRECTIONS for the question:** The questions below has two/three statements followed by two conclusions numbered I and II. You have to take the given statements to be true even if they seem to be at variance with 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.

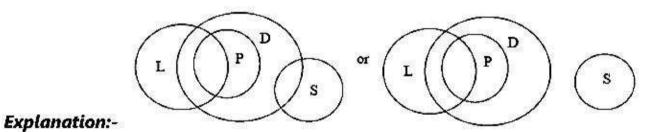
# Question No.: 45

Statements: Some levels are planes. All planes are distances. No distance is a size.

**Conclusion I:** Some distances are levels. **Conclusion II:** All distances are levels.

A) either conclusion I or II is true B) only conclusion II is true C) only conclusion I is true

D) neither conclusion I nor II is true E) both conclusion I and II are true



**DIRECTIONS for the question:** The questions below has two/three statements followed by two conclusions numbered I and II. You have to take the given statements to be true even if they seem to be at variance with 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.

# Question No.: 46

Statements: No object is a subject. All subjects are topics. All topics are aims.

Conclusion I: All subjects are aims.

Conclusion II: All objects being topics is a possibility.

A) either conclusion I or II is true B) only conclusion II is true C) only conclusion I is true

D) neither conclusion I nor II is true **E**) both conclusion I and II are true



**DIRECTIONS for the question:** The questions below has two/three statements followed by two conclusions numbered I and II. You have to take the given statements to be true even if they seem to be at variance with 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.

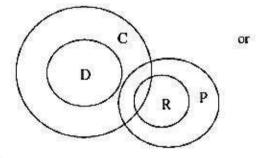
# Question No.: 47

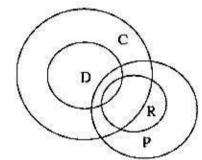
Statements: All discounts are cuts. Some cuts are rebates. All rebates are prices.

**Conclusion I:** Atleast some cuts are prices. **Conclusion II:** No discount is a price.

A) either conclusion I or II is true B) only conclusion II is true C) only conclusion I is true

D) neither conclusion I nor II is true E) both conclusion I and II are true





# Explanation:-

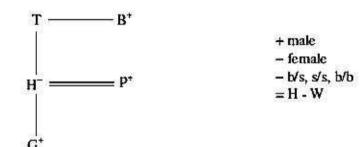
Answer is 1st option.

**DIRECTIONS for the question:** Solve the following question and mark the best possible option.

# Question No.: 48

If G is the son of H, H is the daughter of T, B is the brother of T and P is married to H, then which of the following statements is definitely true?

✓A) P is the father of G B) H is the daughter of B C) G is the only child of his parents D) T has no sister E) T is the mother-in-law of P.





#### Question No.: 49

When a word and number arrangement machine is given an input line of words and numbers, it arranges them following a particular rule. The following is an illustration of input and rearrangement. (All the numbers are two digit numbers.)

Input: metal 54 title 97 25 vision quest 68 fierce 39 battle 81

Step I: vision metal 54 title 97 quest 68 fierce 39 battle 81 25

Step II: 39 vision metal 54 97 quest 68 fierce battle 81 25 title

Step III: quest 39 vision metal 97 68 fierce battle 81 25 title 54

Step IV: 68 quest 39 vision 97 fierce battle 81 25 title 54 metal

Step V: fierce 68 quest 39 vision 97 battle 25 title 54 metal 81

Step VI: 97 fierce 68 quest 39 vision 25 title 54 metal 81 battle

Step VI is the last step of the above arrangement as the intended arrangement is obtained. As per the rules followed in the given steps, find out the appropriate steps for the given input.

Input: 63 45 fault 13 caught imprison 76 51 till hang 27 death

Which elements will appear exactly between the fifth element from the left and the sixth element from the right in step III of the given input?

A) Both '51' and 'caught' B) Only 'fault' C) Both '76' and 'death' \(\sqrt{D}\) Only 'caught E) Only '51'

**Explanation:-** In the step I, the last word according to the dictionary is placed at the first position and the smallest number is placed in the end. In the second step, the second smallest number is placed in the start and the second largest word according to dictionary is placed in the end. This pattern is followed in the subsequent steps. Based on it, the steps for the given arrangement are as follows:

Input: 63 45 fault 13 caught imprison 76 51 till hang 27 death

Step I: till 63 45 fault caught imprison 76 51 hang 27 death 13

Step II: 27 till 63 45 fault caught 76 51 hang death 13 imprison

Step III: hang 27 till 63 fault caught 76 51 death 13 imprison 45

Step IV: 51 hang 27 till 63 caught 76 death 13 imprison 45 fault

Step V: death 51 hang 27 till caught 76 13 imprison 45 fault 63

Step VI: 76 death 51 hang 27 till 13 imprison 45 fault 63 caught

Element which will appear exactly between the fifth element from the left(fault) and the sixth element from the right (76) in step III is 'caught'



#### Question No.: 50

When a word and number arrangement machine is given an input line of words and numbers, it arranges them following a particular rule. The following is an illustration of input and rearrangement. (All the numbers are two digit numbers.)

Input: metal 54 title 97 25 vision quest 68 fierce 39 battle 81

Step I: vision metal 54 title 97 quest 68 fierce 39 battle 81 25

Step II: 39 vision metal 54 97 quest 68 fierce battle 81 25 title

Step III: quest 39 vision metal 97 68 fierce battle 81 25 title 54

Step IV: 68 quest 39 vision 97 fierce battle 81 25 title 54 metal

Step V: fierce 68 quest 39 vision 97 battle 25 title 54 metal 81

Step VI: 97 fierce 68 quest 39 vision 25 title 54 metal 81 battle

Step VI is the last step of the above arrangement as the intended arrangement is obtained. As per the rules followed in the given steps, find out the appropriate steps for the given input.

Input: 63 45 fault 13 caught imprison 76 51 till hang 27 death

Which is the ninth element from the right end in step II of the given input?

A) 76 B) till C) fault D) hang √E) 45

**Explanation:-** In the step I, the last word according to the dictionary is placed at the first position and the smallest number is placed in the end. In the second step, the second smallest number is placed in the start and the second largest word according to dictionary is placed in the end. This pattern is followed in the subsequent steps. Based on it, the steps for the given arrangement are as follows:

Input: 63 45 fault 13 caught imprison 76 51 till hang 27 death

Step I: till 63 45 fault caught imprison 76 51 hang 27 death 13

Step II: 27 till 63 45 fault caught 76 51 hang death 13 imprison

Step III: hang 27 till 63 fault caught 76 51 death 13 imprison 45

Step IV: 51 hang 27 till 63 caught 76 death 13 imprison 45 fault

Step V: death 51 hang 27 till caught 76 13 imprison 45 fault 63

Step VI: 76 death 51 hang 27 till 13 imprison 45 fault 63 caught

'45'is the ninth element from the right end in step II of the given input?



#### Question No.: 51

When a word and number arrangement machine is given an input line of words and numbers, it arranges them following a particular rule. The following is an illustration of input and rearrangement. (All the numbers are two digit numbers.)

Input: metal 54 title 97 25 vision quest 68 fierce 39 battle 81

Step I: vision metal 54 title 97 quest 68 fierce 39 battle 81 25

Step II: 39 vision metal 54 97 quest 68 fierce battle 81 25 title

Step III: quest 39 vision metal 97 68 fierce battle 81 25 title 54

Step IV: 68 quest 39 vision 97 fierce battle 81 25 title 54 metal

Step V: fierce 68 quest 39 vision 97 battle 25 title 54 metal 81

Step VI: 97 fierce 68 quest 39 vision 25 title 54 metal 81 battle

Step VI is the last step of the above arrangement as the intended arrangement is obtained. As per the rules followed in the given steps, find out the appropriate steps for the given input.

Input: 63 45 fault 13 caught imprison 76 51 till hang 27 death

Following a certain pattern, '45' 'caught' in step I and similarly 'death' imprison' in step IV. Following the same pattern, '76' '

A) 27 B) 13 C) till D) fault ✓E) hang

**Explanation:-** In the step I, the last word according to the dictionary is placed at the first position and the smallest number is placed in the end. In the second step, the second smallest number is placed in the start and the second largest word according to dictionary is placed in the end. This pattern is followed in the subsequent steps. Based on it, the steps for the given arrangement are as follows:

Input: 63 45 fault 13 caught imprison 76 51 till hang 27 death

Step I: till 63 45 fault caught imprison 76 51 hang 27 death 13

Step II: 27 till 63 45 fault caught 76 51 hang death 13 imprison

Step III: hang 27 till 63 fault caught 76 51 death 13 imprison 45

Step IV: 51 hang 27 till 63 caught 76 death 13 imprison 45 fault

Step V: death 51 hang 27 till caught 76 13 imprison 45 fault 63

Step VI: 76 death 51 hang 27 till 13 imprison 45 fault 63 caught

In the first step, there is a gap of one word/number between '45' and 'caught'. Similarly in step IV, there is a gap of one word/number between 'death' and 'imprison'. Following the same pattern, in step II, 76 will pair with 'hang'.



# Question No.: 52

When a word and number arrangement machine is given an input line of words and numbers, it arranges them following a particular rule. The following is an illustration of input and rearrangement. (All the numbers are two digit numbers.)

Input: metal 54 title 97 25 vision quest 68 fierce 39 battle 81

Step I: vision metal 54 title 97 guest 68 fierce 39 battle 81 25

Step II: 39 vision metal 54 97 quest 68 fierce battle 81 25 title

Step III: quest 39 vision metal 97 68 fierce battle 81 25 title 54

Step IV: 68 quest 39 vision 97 fierce battle 81 25 title 54 metal

Step V: fierce 68 quest 39 vision 97 battle 25 title 54 metal 81

Step VI: 97 fierce 68 quest 39 vision 25 title 54 metal 81 battle

Step VI is the last step of the above arrangement as the intended arrangement is obtained. As per the rules followed in the given steps, find out the appropriate steps for the given input.

Input: 63 45 fault 13 caught imprison 76 51 till hang 27 death

In Step VI, if the digits in all the numbers are reversed, which element will be fourth to the right of the second largest number thus formed?

√A) 72 B) hang C) fault D) 54 E) other than those given as options

**Explanation:-** In the step I, the last word according to the dictionary is placed at the first position and the smallest number is placed in the end. In the second step, the second smallest number is placed in the start and the second largest word according to dictionary is placed in the end. This pattern is followed in the subsequent steps. Based on it, the steps for the given arrangement are as follows:

Input: 63 45 fault 13 caught imprison 76 51 till hang 27 death

Step I: till 63 45 fault caught imprison 76 51 hang 27 death 13

Step II: 27 till 63 45 fault caught 76 51 hang death 13 imprison

Step III: hang 27 till 63 fault caught 76 51 death 13 imprison 45

Step IV: 51 hang 27 till 63 caught 76 death 13 imprison 45 fault

Step V: death 51 hang 27 till caught 76 13 imprison 45 fault 63

Step VI: 76 death 51 hang 27 till 13 imprison 45 fault 63 caught

If the digits in all the numbers of step VI are reversed, then the step VI will be

Step VI: 67 death 15 hang 72 till 31 imprison 54 fault 36 caught

The second largest number is 67 and the fourth element to the right of 67 is 72.



#### Question No.: 53

When a word and number arrangement machine is given an input line of words and numbers, it arranges them following a particular rule. The following is an illustration of input and rearrangement. (All the numbers are two digit numbers.)

Input: metal 54 title 97 25 vision quest 68 fierce 39 battle 81

Step I: vision metal 54 title 97 quest 68 fierce 39 battle 81 25

Step II: 39 vision metal 54 97 quest 68 fierce battle 81 25 title

Step III: quest 39 vision metal 97 68 fierce battle 81 25 title 54

Step IV: 68 quest 39 vision 97 fierce battle 81 25 title 54 metal

Step V: fierce 68 quest 39 vision 97 battle 25 title 54 metal 81

Step VI: 97 fierce 68 quest 39 vision 25 title 54 metal 81 battle

Step VI is the last step of the above arrangement as the intended arrangement is obtained. As per the rules followed in the given steps, find out the appropriate steps for the given input.

Input: 63 45 fault 13 caught imprison 76 51 till hang 27 death

In which steps of the given input does '76' appear to the left of 'caught'?

A) Only Step IV B) Both Step V and VI C) Both Step IV and Step V D) Only Step Ⅲ ✓E) Only Step VI

**Explanation:-** In the step I, the last word according to the dictionary is placed at the first position and the smallest number is placed in the end. In the second step, the second smallest number is placed in the start and the second largest word according to dictionary is placed in the end. This pattern is followed in the subsequent steps. Based on it, the steps for the given arrangement are as follows:

Input: 63 45 fault 13 caught imprison 76 51 till hang 27 death

Step I: till 63 45 fault caught imprison 76 51 hang 27 death 13

Step II: 27 till 63 45 fault caught 76 51 hang death 13 imprison

Step III: hang 27 till 63 fault caught 76 51 death 13 imprison 45

Step IV: 51 hang 27 till 63 caught 76 death 13 imprison 45 fault

Step V: death 51 hang 27 till caught 76 13 imprison 45 fault 63

Step VI: 76 death 51 hang 27 till 13 imprison 45 fault 63 caught

Hence only in step VI, the 76 is to the left of caught.



#### Question No.: 54

When a word and number arrangement machine is given an input line of words and numbers, it arranges them following a particular rule. The following is an illustration of input and rearrangement. (All the numbers are two digit numbers.)

Input: metal 54 title 97 25 vision quest 68 fierce 39 battle 81

Step I: vision metal 54 title 97 quest 68 fierce 39 battle 81 25

Step II: 39 vision metal 54 97 quest 68 fierce battle 81 25 title

Step III: quest 39 vision metal 97 68 fierce battle 81 25 title 54

Step IV: 68 quest 39 vision 97 fierce battle 81 25 title 54 metal

Step V: fierce 68 quest 39 vision 97 battle 25 title 54 metal 81

Step VI: 97 fierce 68 quest 39 vision 25 title 54 metal 81 battle

Step VI is the last step of the above arrangement as the intended arrangement is obtained. As per the rules followed in the given steps, find out the appropriate steps for the given input.

Input: 63 45 fault 13 caught imprison 76 51 till hang 27 death

How many elements will appear between '63' and 'death' in Step IV of the given input?

A) Two B) Three C) One D) None E) More than three

**Explanation:-** In the step I, the last word according to the dictionary is placed at the first position and the smallest number is placed in the end. In the second step, the second smallest number is placed in the start and the second largest word according to dictionary is placed in the end. This pattern is followed in the subsequent steps. Based on it, the steps for the given arrangement are as follows:

Input: 63 45 fault 13 caught imprison 76 51 till hang 27 death

Step I: till 63 45 fault caught imprison 76 51 hang 27 death 13

Step II: 27 till 63 45 fault caught 76 51 hang death 13 imprison

Step III: hang 27 till 63 fault caught 76 51 death 13 imprison 45

Step IV: 51 hang 27 till 63 caught 76 death 13 imprison 45 fault

Step V: death 51 hang 27 till caught 76 13 imprison 45 fault 63

Step VI: 76 death 51 hang 27 till 13 imprison 45 fault 63 caught

There are two elements between '63' and 'death' in Step IV.



## Question No.: 55

Eight persons J, K, L, M, N, O, P and Q all belonging to the same family are sitting around a circular table, facing the centre (with equal distance between each other but not necessarily in the same order.)

O sits second to the left of his wife. Both the immediate neighbours of O are males.

J, the wife of M sits third to the left of P. P is the daughter of Q.

Only one person sits between J and P's sister.

Only three people sit between L and N. One of the immediate neighbours of L is married to L

K is not an immediate neighbour of O.

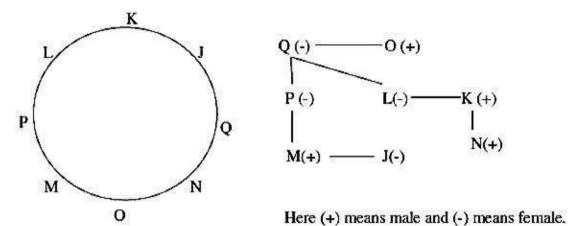
P's only child is an immediate neighbour of P.

Only two people sit between N and one of N's parents.

Who among the following is N's mother?

✓A) L B) P C) K D) J E) Cannot be determined

From the given information, we can make the following diagram.



### **Explanation:-**

Hence L is N's mother

**DIRECTIONS for the question:** Read the information given below and answer the question that follows.

#### Question No.: 56

Eight persons J, K, L, M, N, O, P and Q all belonging to the same family are sitting around a circular table, facing the centre (with equal distance between each other but not necessarily in the same order.)

O sits second to the left of his wife. Both the immediate neighbours of O are males.

J, the wife of M sits third to the left of P. P is the daughter of Q.

Only one person sits between J and P's sister.

Only three people sit between L and N. One of the immediate neighbours of L is married to L

K is not an immediate neighbour of O.

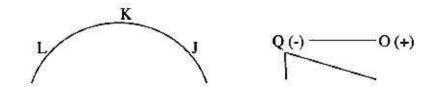
P's only child is an immediate neighbour of P.

Only two people sit between N and one of N's parents.

Who sits exactly between O and Q, when counted from the left of Q?

A) L B) P ✓C) M's cousin D) J E) O's grandmother

From the given information, we can make the following diagram.





#### Question No.: 57

Eight persons J, K, L, M, N, O, P and Q all belonging to the same family are sitting around a circular table, facing the centre (with equal distance between each other but not necessarily in the same order.)

O sits second to the left of his wife. Both the immediate neighbours of O are males.

J, the wife of M sits third to the left of P. P is the daughter of Q.

Only one person sits between J and P's sister.

Only three people sit between L and N. One of the immediate neighbours of L is married to L

K is not an immediate neighbour of O.

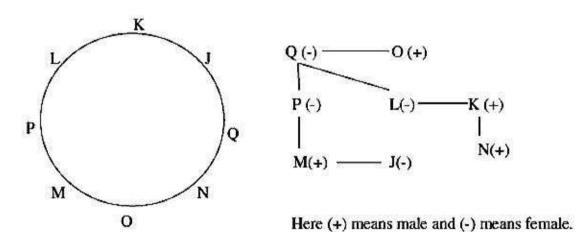
P's only child is an immediate neighbour of P.

Only two people sit between N and one of N's parents.

Four of the following five are alike in a certain way based on the given arrangement and hence form a group. Which one does not belong to the group?

A) K VB) L C) M D) N E) O

From the given information, we can make the following diagram.



### **Explanation:**-

All except L are males.

**DIRECTIONS for the question:** Read the information given below and answer the question that follows.

## Question No.: 58

Eight persons J, K, L, M, N, O, P and Q all belonging to the same family are sitting around a circular table, facing the centre (with equal distance between each other but not necessarily in the same order.)

O sits second to the left of his wife. Both the immediate neighbours of O are males.

J, the wife of M sits third to the left of P. P is the daughter of Q.

Only one person sits between J and P's sister.

Only three people sit between L and N. One of the immediate neighbours of L is married to L

K is not an immediate neighbour of O.

P's only child is an immediate neighbour of P.

Only two people sit between N and one of N's parents.

Which of the following statements is true as per the given information?

A) N and M are immediate neighbours of L VB) O is the father of P C) None of the given statements is true

D) O sits third to the right of P E) P sits to the immediate right of her daughter.

From the given information, we can make the following diagram.





## Question No.: 59

Eight persons J, K, L, M, N, O, P and Q all belonging to the same family are sitting around a circular table, facing the centre (with equal distance between each other but not necessarily in the same order.)

O sits second to the left of his wife. Both the immediate neighbours of O are males.

J, the wife of M sits third to the left of P. P is the daughter of Q.

Only one person sits between J and P's sister.

Only three people sit between L and N. One of the immediate neighbours of L is married to L

K is not an immediate neighbour of O.

P's only child is an immediate neighbour of P.

Only two people sit between N and one of N's parents.

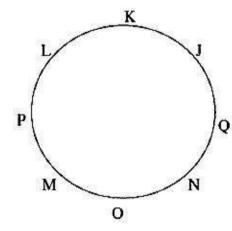
How is K related to the person who is sitting to immediate left of J?

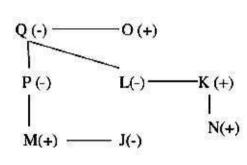
✓A) Son-in-law

B) Grandmother C) Father-in-law D) Nephew

E) Aunt

From the given information, we can make the following diagram.





Here (+) means male and (-) means female.

## Explanation:-

K is the Son-in-law of Q.

**DIRECTIONS for the question:** Read the information given below and answer the question that follows.

### Question No.: 60

Eight persons J, K, L, M, N, O, P and Q all belonging to the same family are sitting around a circular table, facing the centre (with equal distance between each other but not necessarily in the same order.)

O sits second to the left of his wife. Both the immediate neighbours of O are males.

J, the wife of M sits third to the left of P. P is the daughter of Q.

Only one person sits between J and P's sister.

Only three people sit between L and N. One of the immediate neighbours of L is married to L

K is not an immediate neighbour of O.

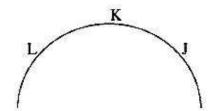
P's only child is an immediate neighbour of P.

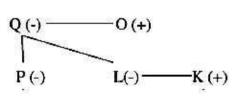
Only two people sit between N and one of N's parents.

Who amongst the following is K's sister-in-law?

√B)P C)Q D)L E)N

From the given information, we can make the following diagram.







#### Question No.: 61

Ten people are sitting in two parallel rows containing five people each, in such a way that there is equal distance between each adjacent persons. In row-1 J, K, L, M and N are seated and all of them are facing north. In row-2 P, Q, R, S and T are seated and all of them are facing south. Each of them likes a different fruit namely, Banana, Orange, Guava, Pineapple, Kiwi, Cherry, Mango, Apple, Strawberry and Litchi but not necessarily in the same order. Therefore, in the given seating arrangement, each member seated in a row faces another member of the other row and each of them likes a different fruit. (Please Note: All the given information is not necessarily in the order) R sits second to the left of S. R does not sit at any of the extreme ends of the row. The one who faces R sits to the immediate left of the one who likes Cherry. Only two people sit between the one who likes Cherry and the one who likes Mango. The one who faces the one who likes Mango sits third to the right of the one who likes Apple. Only one person sits between the one who likes apple and the one who likes litchi. The one who faces the one who likes litchi sits third to the left of N. Only two people sit between N and M. L faces Q. The one who likes orange sits to the immediate right of Q. The one who likes Strawberry sits second to the left of the one who likes banana. J does not like mango.

Four of the given five are alike in a certain way based on the given arrangement and hence form a group. Which of them does not belong to that group?

√A) J B) S C) T D) K E) N

Explanation:-

Guava	Litchi	Orange	Apple	Strawberry
S	P	R	Q	T
К	М	J	L	N
Mango	Banana	Kiwi	Cherry	Pineapple

All except J are at the extreme ends

**DIRECTIONS for the question:** Read the information given below and answer the question that follows.

#### Question No.: 62

Ten people are sitting in two parallel rows containing five people each, in such a way that there is equal distance between each adjacent persons. In row-1 J, K, L, M and N are seated and all of them are facing north. In row-2 P, Q, R, S and T are seated and all of them are facing south. Each of them likes a different fruit namely, Banana, Orange, Guava, Pineapple, Kiwi, Cherry, Mango, Apple, Strawberry and Litchi but not necessarily in the same order. Therefore, in the given seating arrangement, each member seated in a row faces another member of the other row and each of them likes a different fruit. (Please Note: All the given information is not necessarily in the order) R sits second to the left of S. R does not sit at any of the extreme ends of the row. The one who faces R sits to the immediate left of the one who likes Cherry. Only two people sit between the one who likes Cherry and the one who likes Mango. The one who faces the one who likes Mango sits third to the right of the one who likes Apple. Only one person sits between the one who likes apple and the one who likes litchi. The one who faces the one who likes litchi sits third to the left of N. Only two people sit between N and M. L faces Q. The one who likes orange sits to the immediate right of Q. The one who likes Strawberry sits second to the left of the one who likes banana. J does not like mango.

Who amongst the following is facing K?

A) The one who likes Pineapple (B) The one who likes Guava (C) R (D) P (E) The one who likes Kiwi

Guava	Litchi	Orange	Apple	Strawberry
ς .	D	R	0	Т



#### Question No.: 63

Ten people are sitting in two parallel rows containing five people each, in such a way that there is equal distance between each adjacent persons. In row-1 J, K, L, M and N are seated and all of them are facing north. In row-2 P, Q, R, S and T are seated and all of them are facing south. Each of them likes a different fruit namely, Banana, Orange, Guava, Pineapple, Kiwi, Cherry, Mango, Apple, Strawberry and Litchi but not necessarily in the same order. Therefore, in the given seating arrangement, each member seated in a row faces another member of the other row and each of them likes a different fruit. (Please Note: All the given information is not necessarily in the order) R sits second to the left of S. R does not sit at any of the extreme ends of the row. The one who faces R sits to the immediate left of the one who likes Cherry. Only two people sit between the one who likes Cherry and the one who likes Mango. The one who faces the one who likes Mango sits third to the right of the one who likes Apple. Only one person sits between the one who likes apple and the one who likes litchi. The one who faces the one who likes litchi sits third to the left of N. Only two people sit between N and M. L faces Q. The one who likes orange sits to the immediate right of Q. The one who likes Strawberry sits second to the left of the one who likes banana. J does not like mango.

Who amongst the following is facing T?

✓A) N B) The one who likes Kiwi C) The one who likes Mango D) The one who likes Orange E) J

Explanation:-

Explanation.				
Guava	Litchi	Orange	Apple	Strawberry
S	P	R	Q	** <b>T</b> **
К	М	J	L	N
Mango	Banana	Kiwi	Cherry	Pineapple

N is facing T

**DIRECTIONS for the question:** Read the information given below and answer the question that follows.

#### Question No.: 64

Ten people are sitting in two parallel rows containing five people each, in such a way that there is equal distance between each adjacent persons. In row-1 J, K, L, M and N are seated and all of them are facing north. In row-2 P, Q, R, S and T are seated and all of them are facing south. Each of them likes a different fruit namely, Banana, Orange, Guava, Pineapple, Kiwi, Cherry, Mango, Apple, Strawberry and Litchi but not necessarily in the same order. Therefore, in the given seating arrangement, each member seated in a row faces another member of the other row and each of them likes a different fruit. (Please Note: All the given information is not necessarily in the order) R sits second to the left of S. R does not sit at any of the extreme ends of the row. The one who faces R sits to the immediate left of the one who likes Cherry. Only two people sit between the one who likes Cherry and the one who likes Mango. The one who faces the one who likes Mango sits third to the right of the one who likes Apple. Only one person sits between the one who likes apple and the one who likes litchi. The one who faces the one who likes litchi sits third to the left of N. Only two people sit between N and M. L faces Q. The one who likes orange sits to the immediate right of Q. The one who likes Strawberry sits second to the left of the one who likes banana. J does not like mango.

Which of the following statements is true regarding J?

- A) Only two people sit between J and the one who likes Pineapple
- B) J sits to the immediate right of the one who likes Cherry C) None of the given statements is true
- ✓D) One of J's immediate neighbours faces the one who likes litchi
- E) J faces one of the immediate neighbours of the one who likes Strawberry

100000				· ·
Guava	Litchi	Orange	Apple	Strawberry
Cuava	LICCIII	Change	Apple	Juanberry



#### Question No.: 65

Ten people are sitting in two parallel rows containing five people each, in such a way that there is equal distance between each adjacent persons. In row-1 J, K, L, M and N are seated and all of them are facing north. In row-2 P, Q, R, S and T are seated and all of them are facing south. Each of them likes a different fruit namely, Banana, Orange, Guava, Pineapple, Kiwi, Cherry, Mango, Apple, Strawberry and Litchi but not necessarily in the same order. Therefore, in the given seating arrangement, each member seated in a row faces another member of the other row and each of them likes a different fruit. (Please Note: All the given information is not necessarily in the order) R sits second to the left of S. R does not sit at any of the extreme ends of the row. The one who faces R sits to the immediate left of the one who likes Cherry. Only two people sit between the one who likes Cherry and the one who likes Mango. The one who faces the one who likes Mango sits third to the right of the one who likes Apple. Only one person sits between the one who likes apple and the one who likes litchi. The one who faces the one who likes litchi sits third to the left of N. Only two people sit between N and M. L faces Q. The one who likes orange sits to the immediate right of Q. The one who likes Strawberry sits second to the left of the one who likes banana. J does not like mango.

What is the position of M with respect to T?

- A) M faces the one who sits to the immediate right of T. B) M faces the one who sits second to the left of T.
- C) M faces the one who sits second to the right of T.  $\checkmark$ D) M faces the one who sits third to right of T.
- E) M faces the one who sits to the immediate left of T.

Explanation:-

21000001010111				
Guava	Litchi	Orange	Apple	Strawberry
S	Р	R	Q	°T
K	М	J	L	N
Mango	Banana	Kiwi	Cherry	Pineapple

M faces the one who sits third to the right of T

**DIRECTIONS for the question:** Read the information given below and answer the question that follows.

# Question No.: 66

Ten people are sitting in two parallel rows containing five people each, in such a way that there is equal distance between each adjacent persons. In row-1 J, K, L, M and N are seated and all of them are facing north. In row-2 P, Q, R, S and T are seated and all of them are facing south. Each of them likes a different fruit namely, Banana, Orange, Guava, Pineapple, Kiwi, Cherry, Mango, Apple, Strawberry and Litchi but not necessarily in the same order. Therefore, in the given seating arrangement, each member seated in a row faces another member of the other row and each of them likes a different fruit. (Please Note: All the given information is not necessarily in the order) R sits second to the left of S. R does not sit at any of the extreme ends of the row. The one who faces R sits to the immediate left of the one who likes Cherry. Only two people sit between the one who likes Cherry and the one who likes Mango. The one who faces the one who likes Mango sits third to the right of the one who likes Apple. Only one person sits between the one who likes apple and the one who likes litchi. The one who faces the one who likes litchi sits third to the left of N. Only two people sit between N and M. L faces Q. The one who likes orange sits to the immediate right of Q. The one who likes Strawberry sits second to the left of the one who likes banana. J does not like mango.

What is the position of S with respect to Q?

A) Second to the left (B) Third to the right (C) Third to the left (D) To the immediate right (E) To the immediate left

Guava	Litchi	Orange	Apple	Strawberry
1		3	and the second	



#### Question No.: 67

Ten people are sitting in two parallel rows containing five people each, in such a way that there is equal distance between each adjacent persons. In row-1 J, K, L, M and N are seated and all of them are facing north. In row-2 P, Q, R, S and T are seated and all of them are facing south. Each of them likes a different fruit namely, Banana, Orange, Guava, Pineapple, Kiwi, Cherry, Mango, Apple, Strawberry and Litchi but not necessarily in the same order. Therefore, in the given seating arrangement, each member seated in a row faces another member of the other row and each of them likes a different fruit. (Please Note: All the given information is not necessarily in the order) R sits second to the left of S. R does not sit at any of the extreme ends of the row. The one who faces R sits to the immediate left of the one who likes Cherry. Only two people sit between the one who likes Cherry and the one who likes Mango. The one who faces the one who likes Mango sits third to the right of the one who likes Apple. Only one person sits between the one who likes apple and the one who likes litchi. The one who faces the one who likes litchi sits third to the left of N. Only two people sit between N and M. L faces Q. The one who likes orange sits to the immediate right of Q. The one who likes Strawberry sits second to the left of the one who likes banana. J does not like mango.

Four of the given five are alike in a certain way based on the given arrangement and hence form a group. Which of them does not belong to that group?

√A) Orange-Kiwi B) Strawberry-Banana C) Apple-Mango D) Litchi-Pineapple E) Guava-Cherry

Explanation:-

Guava	Litchi	Orange	Apple	Strawberry
S	P	R	Q	a <b>T</b> a
К	М	J	L	N
Mango	Banana	Kiwi	Cherry	Pineapple

All except Orange-Kiwi are matched with third-next matched fruit. Orange-Kiwi are opposite to each other.

**DIRECTIONS for the question:** Solve the following question and mark the best possible option.

## Question No.: 68

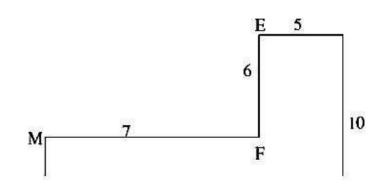
Radha starts from point F, walks 6m to the north and reaches point E. She then takes a right turn and walks 5m. She again takes a right turn, walks for 10m and reaches point G. She finally takes a right turn and walks 8m and stops at point D.

Medha, who is standing at point M which is 7m to the west of point F walks 7m towards south, takes a left turn and walks for 7m. She finally takes a left turn and after walking for 3.5m stops at point S.

In which direction is point G from point M?

A) South-west B) East ✓C) South-east D) South E) North-east

From the given information we can make the following diagram.





## Question No.: 69

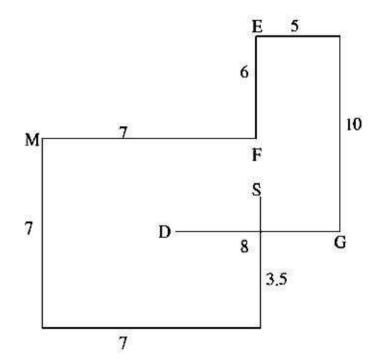
Radha starts from point F, walks 6m to the north and reaches Point E. She then takes a right turn and walks 5m. She again takes a right turn, walks for 10m and reaches point G. She finally takes a right turn and walks 8m and stops at point D.

Medha, who is standing at point M which is 7m to the west of point F walks 7m towards south, takes a left turn and walks for 7m. She finally takes a left turn and after walking for 3.5m stops at point S.

How far and in which direction is Medha's final position with respect to point F?

A) 5.5m towards north B) 3.5m towards west C) 7m towards south D) 5m towards south E) 3.5m towards south

From the given information we can make the following diagram.



## **Explanation:-**

Medha is 3.5m South of F.

**DIRECTIONS for the question:** Read the information given below and answer the question that follows.

#### Question No.: 70

Seven stores, namely M, N, O, P, Q, R and S were launched on seven different days of the same week starting from Monday to Sunday (but not necessarily in the same order). Each store was launched in a different locality namely-Aligan, Sodaala, Borivali, Saket, Bamrauli, Velupur and Chembur (but not necessarily in the same order). Store P was launched on one of the days after Friday. Only three stores were launched between P and the one launched in Saket. Only one store was launched between S and the one launched in Saket. S was not launched on Friday. The store launched in Borivali was launched on the day immediately after S was launched. Only two stores were launched between M and the one launched in Borivali. The store launched in Aliganj was launched on one of the days before M. S was not launched in Aliganj. Q was launched in Bamrauli but not on Sunday. Only three stores were launched between N and the one launched in Bamrauli. The store launched in Sodaala was launched on the day immediately after the store in Chembur was launched. O was not launched on Monday.

In which of the following localities was R launched?

A) Sodaala B) Chembur C) Velupur 🕩 D) Aliganj E) Other than those given as options

Monday	Tuesday	Wednesday	Thursday	Friday	Saturday	Sunday
R	М	Q	S	0	P	N
***	980 80	(m)	30 X	e 14 000	(96)	* * *



#### Question No.: 71

Seven stores, namely M, N, O, P, Q, R and S were launched on seven different days of the same week starting from Monday to Sunday (but not necessarily in the same order). Each store was launched in a different locality namely-Aligan, Sodaala, Borivali, Saket, Bamrauli, Velupur and Chembur (but not necessarily in the same order). Store P was launched on one of the days after Friday. Only three stores were launched between P and the one launched in Saket. Only one store was launched between S and the one launched in Saket. S was not launched on Friday. The store launched in Borivali was launched on the day immediately after S was launched. Only two stores were launched between M and the one launched in Borivali. The store launched in Aliganj was launched on one of the days before M. S was not launched in Aliganj. Q was launched in Bamrauli but not on Sunday. Only three stores were launched between N and the one launched in Bamrauli. The store launched in Sodaala was launched on the day immediately after the store in Chembur was launched. O was not launched on Monday.

Four of the following five are alike in a certain way as per the given arrangement and hence form a group. Which of the following does not belong to that group?

A) Tuesday- R B) Sunday- P C) Wednesday-O D) Monday- M E) Saturday- N

Explanation:-

Monday	Tuesday	Wednesday	Thursday	Friday	Saturday	Sunday
R	М	Q	S	0	Р	Ν
Aliganj	Saket	Bamrauli	Velupur	Borivali	Chembur	Sodaala

Each one is matched with alternate day except Wednesday-O.

**DIRECTIONS for the question:** Read the information given below and answer the question that follows.

### Question No.: 72

Seven stores, namely M, N, O, P, Q, R and S were launched on seven different days of the same week starting from Monday to Sunday (but not necessarily in the same order). Each store was launched in a different locality namely-Aligan, Sodaala, Borivali, Saket, Bamrauli, Velupur and Chembur (but not necessarily in the same order). Store P was launched on one of the days after Friday. Only three stores were launched between P and the one launched in Saket. Only one store was launched between S and the one launched in Saket. S was not launched on Friday. The store launched in Borivali was launched on the day immediately after S was launched. Only two stores were launched between M and the one launched in Borivali. The store launched in Aliganj was launched on one of the days before M. S was not launched in Aliganj. Q was launched in Bamrauli but not on Sunday. Only three stores were launched between N and the one launched in Bamrauli. The store launched in Sodaala was launched on the day immediately after the store in Chembur was launched. O was not launched on Monday.

Which of the following combinations is correct as per the given arrangement?

A) Tuesday-N-Borivaii B) Monday-N-Chembur C) Saturday-Q-Bamrauli 🗸 D) Thursday-S-Velupur E) None of the given options

Explanation:-

Monday	Tuesday	Wednesday	Thursday	Friday	Saturday	Sunday
R	М	Q	S	0	Р	N
Aliganj	Saket	Bamrauli	Velupur	Borivali	Chembur	Sodaala

Thursday-S-Velupur is matched correctly.



#### Question No.: 73

Seven stores, namely M, N, O, P, Q, R and S were launched on seven different days of the same week starting from Monday to Sunday (but not necessarily in the same order). Each store was launched in a different locality namely-Aligan, Sodaala, Borivali, Saket, Bamrauli, Velupur and Chembur (but not necessarily in the same order). Store P was launched on one of the days after Friday. Only three stores were launched between P and the one launched in Saket. Only one store was launched between S and the one launched in Saket. S was not launched on Friday. The store launched in Borivali was launched on the day immediately after S was launched. Only two stores were launched between M and the one launched in Borivali. The store launched in Aliganj was launched on one of the days before M. S was not launched in Aliganj. Q was launched in Bamrauli but not on Sunday. Only three stores were launched between N and the one launched in Bamrauli. The store launched in Sodaala was launched on the day immediately after the store in Chembur was launched. O was not launched on Monday.

Which of the following pairs represent the stores which was launched immediately before and immediately after S?

A) R, N 

✓B) Q, O C) O, R D) N, P E) M, Q

**Explanation:-**

Monday	Tuesday	Wednesday	Thursday	Friday	Saturday	Sunday
R	М	Q	S	0	Р	N
Aliganj	Saket	Bamrauli	Velupur	Borivali	Chembur	Sodaala

Q and O are launched immediately before and after S.

**DIRECTIONS for the question:** Read the information given below and answer the question that follows.

#### Question No.: 74

Seven stores, namely M, N, O, P, Q, R and S were launched on seven different days of the same week starting from Monday to Sunday (but not necessarily in the same order). Each store was launched in a different locality namely-Aligan, Sodaala, Borivali, Saket, Bamrauli, Velupur and Chembur (but not necessarily in the same order). Store P was launched on one of the days after Friday. Only three stores were launched between P and the one launched in Saket. Only one store was launched between S and the one launched in Saket. S was not launched on Friday. The store launched in Borivali was launched on the day immediately after S was launched. Only two stores were launched between M and the one launched in Borivali. The store launched in Aliganj was launched on one of the days before M. S was not launched in Aliganj. Q was launched in Bamrauli but not on Sunday. Only three stores were launched between N and the one launched in Bamrauli. The store launched in Sodaala was launched on the day immediately after the store in Chembur was launched. O was not launched on Monday.

As per the given arrangement, N is related to Friday and Q. is related to Monday in a certain way. To which of the following is P related to in the same way?

A) Sunday B) Saturday C) Thursday D) Wednesday E) Tuesday

Explanation:-

Monday	Tuesday	Wednesday	Thursday	Friday	Saturday	Sunday
R	М	Q	S	0	Р	N
Aliganj	Saket	Bamrauli	Velupur	Borivali	Chembur	Sodaala

Both are shifted two days before their original schedule, so P is related to Thursday.



#### Question No.: 75

Seven stores, namely M, N, O, P, Q, R and S were launched on seven different days of the same week starting from Monday to Sunday (but not necessarily in the same order). Each store was launched in a different locality namely-Aligan, Sodaala, Borivali, Saket, Bamrauli, Velupur and Chembur (but not necessarily in the same order). Store P was launched on one of the days after Friday. Only three stores were launched between P and the one launched in Saket. Only one store was launched between S and the one launched in Saket. S was not launched on Friday. The store launched in Borivali was launched on the day immediately after S was launched. Only two stores were launched between M and the one launched in Borivali. The store launched in Aliganj was launched on one of the days before M. S was not launched in Aliganj. Q was launched in Bamrauli but not on Sunday. Only three stores were launched between N and the one launched in Bamrauli. The store launched in Sodaala was launched on the day immediately after the store in Chembur was launched. O was not launched on Monday.

On which of the following days was N launched?

A) Friday B) Monday C) Thursday D) Tuesday ✓E) Sunday

**Explanation:-**

Monday	Tuesday	Wednesday	Thursday	Friday	Saturday	Sunday
R	М	Q	S	0	Р	N
Aliganj	Saket	Bamrauli	Velupur	Borivali	Chembur	Sodaala

N is launched on Sunday

**DIRECTIONS for the question:** Read the information given below and answer the question that follows.

#### Question No.: 76

Seven stores, namely M, N, O, P, Q, R and S were launched on seven different days of the same week starting from Monday to Sunday (but not necessarily in the same order). Each store was launched in a different locality namely-Aligan, Sodaala, Borivali, Saket, Bamrauli, Velupur and Chembur (but not necessarily in the same order). Store P was launched on one of the days after Friday. Only three stores were launched between P and the one launched in Saket. Only one store was launched between S and the one launched in Saket. S was not launched on Friday. The store launched in Borivali was launched on the day immediately after S was launched. Only two stores were launched between M and the one launched in Borivali. The store launched in Aliganj was launched on one of the days before M. S was not launched in Aliganj. Q was launched in Bamrauli but not on Sunday. Only three stores were launched between N and the one launched in Bamrauli. The store launched in Sodaala was launched on the day immediately after the store in Chembur was launched. O was not launched on Monday.

Which of the given statements is TRUE as per the given arrangement?

A) R was launched on Wednesday B) S was launched in Chembur C) Only two stores were launched after M D) Only two stores were launched between P and Q E) None of the given statements is true

## Explanation:-

Monday	Tuesday	Wednesday	Thursday	Friday	Saturday	Sunday
R	М	Q	S	0	P	N
Aliganj	Saket	Bamrauli	Velupur	Borivali	Chembur	Sodaala

Only two stores are launched between P and Q

**DIRECTION for the question:** Read the information given and answer the question that follows.

## Question No.: 77

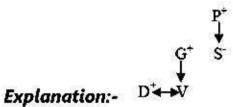
The HR managers of Company XYZ have been recruiting regularly from college D, however, since the past two years the



# Question No.: 78

If D is the brother of V, G is the father of V. S is married to G and P is father of S, then how is D related to P?

A) Brother B) Grandfather C) Grandson D) Nephew E) Cannot be determined



D is grandson of P

**DIRECTION for the question:** Read the information given and answer the question that follows.

# Question No.: 79

Bank B in country Z had launched a scheme named 'Sona Vridhi' in which customers can deposit gold with the bank and earn an interest rate higher than the other banks. However the scheme failed badly. Which of the following statements can be a reason for the failure of the scheme launched by Bank B?

- A) The scheme has a lock-in period of one to three years and the interest can be redeemed in the form of either gold or cash B) The minimum weight of pure gold to be deposited in 'Sona Vridhi' is 500 grams worth Rs. 10 lacs with no upper limit
- C) The tax levied on interest received from the gold deposits in the scheme is lower as compared to other deposits
- D) 'Sona Vridhi' allow individuals to use the deposit in the scheme as a collateral security against loans
- E) Unlike similar gold schemes of other banks 'Sona Vridhi' accepts gold jewellery as a deposit along with gold bars and biscuits

**Explanation:-** Option 2 gives a limitation to the scheme wherein people belonging to a financially sound family could invest. It cannot be of use to the section of people with lower income. Therefore, it would have failed.

**DIRECTIONS for the question:** Solve the following question and mark the best possible option.

## Question No.: 80

In a certain code language,
'new series launching soon' is coded as 'tk nh mp er'
'launching fresh adventure series' is coded as 'er lo nh wi'
'rebuilt status coming soon' is coded as 'bj yu tk fg'
'coming with fresh results' is coded as 'fg wi yu da'
(All codes are two letter codes only)

What is the code for 'new' in the given code language?

A) tk B) yu **√**C) mp D) fg E) da

**Explanation:-** 'new series launching soon' is coded as 'tk nh mp er' 'launching fresh adventure series' is coded as 'er lo nh wi' 'rebuilt status coming soon' is coded as 'bj yu tk fg' 'coming with fresh results' is coded as 'fg wi yu da'

Launching, series- nh, er Soon- tk



# Question No.: 81

In a certain code language,
'new series launching soon' is coded as 'tk nh mp er'
'launching fresh adventure series' is coded as 'er lo nh wi'
'rebuilt status coming soon' is coded as 'bj yu tk fg'
'coming with fresh results' is coded as 'fg wi yu da'
(All codes are two letter codes only)

In the given code language, if 'results status declared' is coded as bj xq fg', then what will be the code for 'declared fresh coming' in the given code language?

A) wi yu lo B) er lo xq √C) xq yu wi D) bj wi er E) yu xq bj

**Explanation:-** 'new series launching soon' is coded as 'tk nh mp er' 'launching fresh adventure series' is coded as 'er lo nh wi' 'rebuilt status coming soon' is coded as 'bj yu tk fg' 'coming with fresh results' is coded as 'fg wi yu da'

Launching, series- nh, er

Soon- tk

Coming- yu

Fresh- wi

'Results status declared' = bj xq fg

So the code of results is fg and of status is bj. Hence the code for declared is xq.

Now the code for 'declared fresh coming' is- xq yu wi

**DIRECTIONS for the question:** Solve the following question and mark the best possible option.

# Question No.: 82

In a certain code language,
'new series launching soon' is coded as 'tk nh mp er'
'launching fresh adventure series' is coded as 'er lo nh wi'
'rebuilt status coming soon' is coded as 'bj yu tk fg'
'coming with fresh results' is coded as 'fg wi yu da'
(All codes are two letter codes only)

What will be the code for 'adventure' in the given code language?

A) wi B) er ✓C) lo D) yu E) Other than those given as options

**Explanation:-** 'new series launching soon' is coded as 'tk nh mp er' 'launching fresh adventure series' is coded as 'er lo nh wi' 'rebuilt status coming soon' is coded as 'bj yu tk fg' 'coming with fresh results' is coded as 'fg wi yu da'

Launching, series- nh, er Soon- tk Coming- yu Fresh- wi

In the second sentence, 'launching fresh adventure series' is coded as 'er lo nh wi'



# Question No.: 83

In a certain code language,
'new series launching soon' is coded as 'tk nh mp er'
'launching fresh adventure series' is coded as 'er lo nh wi'
'rebuilt status coming soon' is coded as 'bj yu tk fg'
'coming with fresh results' is coded as 'fg wi yu da'
(All codes are two letter codes only)

What may be the possible code for 'soon with lyrics' in the given code language?

A) mper bj  $\sqrt{B}$ ) tk vs fg C) vs da mp D) fg da tk E) wi tk vs

**Explanation:** 'new series launching soon' is coded as 'tk nh mp er' 'launching fresh adventure series' is coded as 'er lo nh wi' 'rebuilt status coming soon' is coded as 'bj yu tk fg' 'coming with fresh results' is coded as 'fg wi yu da'

Launching, series- mh, er

Soon- tk

Coming- yu

Fresh- wi

The code of 'with' is fg or da.

By matching the codes, we get code for 'soon with lyrics' as 'tk vs fg'

**DIRECTIONS for the question:** Solve the following question and mark the best possible option.

## Question No.: 84

In a certain code language,
'new series launching soon' is coded as 'tk nh mp er'
'launching fresh adventure series' is coded as 'er lo nh wi'
'rebuilt status coming soon' is coded as 'bj yu tk fg'
'coming with fresh results' is coded as 'fg wi yu da'
(All codes are two letter codes only)

What does the code 'nh' stand for in the given code language?

A) either 'fresh' or 'status' ✓B) either 'series' or 'launching' C) adventure D) Soon E) New

**Explanation:** 'new series launching soon' is coded as 'tk nh mp er' 'launching fresh adventure series' is coded as 'er lo nh wi' 'rebuilt status coming soon' is coded as 'bj yu tk fg' 'coming with fresh results' is coded as 'fg wi yu da'

Launching, series- nh, er Soon- tk Coming- yu Fresh- wi

So nh stands for either 'series' or 'launching'.

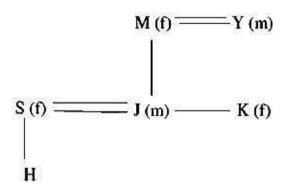


## Question No.: 85

If S is married to J, M is the mother of J and K, K is the only daughter of Y and H is the only child of S, then which of the following statements is not definitely true?

A) H is the grandson of Y B) J is the son of M C) K is the aunt of H D) M is the wife of Y E) Y is the father-in-law of S

From the given information we can make the following diagram.



## Explanation:-

H can be male or female, it is not specified

**DIRECTION for the question:** Read the information given and answer the question that follows.

#### Question No.: 86

'The variety of faux leather items sold these days have snatched our market. Despite longer durability of real leather, people these days are settling for faux leather only because of their prices and colour options" - statement by the owner of a leather-items showroom.

Which of the following can be inferred from the owner's statement? (An inference is something by which you can logically deduce something to be true based on known premises.)

- ✓A) Durability is the least important factor that affects the choice of customers while buying leather items
- B) Just lowering the price of real leather by some percentage will attract more customers
- C) Incorporating novel contrast combinations of economic prices will help the market of real leather to revive
- D) The manufacturing cost of real leather and faux leather is more or less same
- E) The texture of faux leather is exactly same as that of real leather

**Explanation:**- It is evident from the owner's statement that only two areas have been impacting the sales of leather i.e. price and colour options. Also the durability of leather is not able to retain customer.

Thus option 3, 4 and 5 are rejected. In option 2 it strictly talks of price whereas colour options is also a consideration factor. Therefore option 1 is best answer.

**DIRECTION for the question:** Read the information given and answer the question that follows.

# Question No.: 87

'Paramount Consultants' have gradually evolved to complete online functioning as compared to the manual functioning 10 years ago. Owing to the same, the HR manager of the company has requested the Chairman to allot atleast half the space of the printing press in the basement of the building to set up a customer care centre. Which of the following best supports the Manger's plea to the Chairman?

A) Customer Care centre is in highest use only during the peak recruitment season, thus allotting a separate floor to it would



## Question No.: 88

Nine people - P, Q, R, S, T, U, V, W and X live on nine different floors of a building but not necessarily in the same order. The lowermost floor of the building is numbered one, the floor above that is numbered two and so on till the topmost floor is numbered nine.

T lives on floor numbered seven. Only one person lives between T and X. Only three people live between X and Q. S lives on an even numbered floor immediately above U. U does not live on the lowermost floor. P lives immediately below W. R lives on an even numbered floor but not floor numbered six. Only three people live between R and V.

Four of the following five are alike in a certain way based on the given arrangement and hence form a group. Which of the following does not belong to that group?

√A) PT B) VP C) UX D) SR E) UQ

# Explanation:-

9	W	
8	Р	
7	T	
6	V	
5	X	
4	S	
3	U	
2	R	
1	Q	

All except VP are the pairs which live in alternate floors

**DIRECTIONS for the question:** Read the information given below and answer the question that follows.

### Question No.: 89

Nine people - P, Q, R, S, T, U, V, W and X live on nine different floors of a building but not necessarily in the same order. The lowermost floor of the building is numbered one, the floor above that is numbered two and so on till the topmost floor is numbered nine.

T lives on floor numbered seven. Only one person lives between T and X. Only three people live between X and Q. S lives on an even numbered floor immediately above U. U does not live on the lowermost floor. P lives immediately below W. R lives on an even numbered floor but not floor numbered six. Only three people live between R and V.

Which of the following statements I true regarding V?

✓A) V lives on a floor immediately below T B) V lives on an odd numbered floor

C) V lives on a floor immediately above W D) Only three people live between V and P

E) None of the given statements is true

mishi adhdan		_
9	W	
8	Ρ	
7	T	



## Question No.: 90

Nine people - P, Q, R, S, T, U, V, W and X live on nine different floors of a building but not necessarily in the same order. The lowermost floor of the building is numbered one, the floor above that is numbered two and so on till the topmost floor is numbered nine.

T lives on floor numbered seven. Only one person lives between T and X. Only three people live between X and Q. S lives on an even numbered floor immediately above U. U does not live on the lowermost floor. P lives immediately below W. R lives on an even numbered floor but not floor numbered six. Only three people live between R and V.

Who amongst the following lives on a floor immediately above as well as immediately below X?

A) P, S B) U, V √C) V, S D) R, U E) W, R

# Explanation:-

9	W
8	P
7	T
6	٧
5	X
4	S
3	U
2	R
1	Q

V, S live immediately below and above X

**DIRECTIONS for the question:** Read the information given below and answer the question that follows.

## Question No.: 91

Nine people - P, Q, R, S, T, U, V, W and X live on nine different floors of a building but not necessarily in the same order. The lowermost floor of the building is numbered one, the floor above that is numbered two and so on till the topmost floor is numbered nine.

T lives on floor numbered seven. Only one person lives between T and X. Only three people live between X and Q. S lives on an even numbered floor immediately above U. U does not live on the lowermost floor. P lives immediately below W. R lives on an even numbered floor but not floor numbered six. Only three people live between R and V.

If in the given arrangement P interchanges its position with S and Q interchanges its position with V then who amongst the following will live on a floor exactly between S and Q?

**Explanation:-** If in the given arrangement P interchanges its position with S and Q interchanges its position with V then arrangement is as follows.

9	W	
8	S	
7	≅ <b>T</b> ⊓	



## Question No.: 92

Nine people - P, Q, R, S, T, U, V, W and X live on nine different floors of a building but not necessarily in the same order. The lowermost floor of the building is numbered one, the floor above that is numbered two and so on till the topmost floor is numbered nine.

T lives on floor numbered seven. Only one person lives between T and X. Only three people live between X and Q. S lives on an even numbered floor immediately above U. U does not live on the lowermost floor. P lives immediately below W. R lives on an even numbered floor but not floor numbered six. Only three people live between R and V.

Who amongst the following lives on floor numbered three?

A) V B) W C) P D) Q √E) U

## Explanation:-

9	W
8	Р
7	T
6	٧
5	X
4	S
3	U
2	R
1	Q

U lives on floor numbered three.

**DIRECTION for the question:** Read the information given and answer the question that follows.

#### Question No.: 93

"It's a common belief that using cell phones can develop cancer due to harmful radiation. However, since the last decade, the number of cellphone users has increased eightfold whereas deaths due to brain cancer have decreased by half. It can therefore be said that this belief is actually a myth"- CEO of a cellphone company.

Which of the following statements weakens the CEO's statement?

- A) According to many studies, occurrence of cancer also depends on the proximity of an individual to the source of radiations such as transmission towers
- B) Cell phones emit radiations which are similar to those used for wireless satellite communications in remote areas
- C) On introduction of microwave ovens about 15 years ago, similar facts had surfaced but microwave ovens survived the last of time
- ✓D)Research and technological intervention in cancer treatment over the past 12 years has decrease the number of fatalities by more than 70%
- E) The study to correlate cellphone usage and cancer was conducted independently by government as well as non-government sources

**Explanation:** Only option 4 weakens the given statement. The assumption made by the CEO is that radition emmitted are harmless and hence decrease in deaths due to cancer. Option 4 negates this by saying that development in the field of medical sciences has brought the rate of death down.



#### Question No.: 94

Who amongst G, H, I, J and K completed the least number of projects? (Each person completed different number of projects)

- I. H completed more projects than K. Only one person completed less projects than K. J completed more projects than both I and G.
- II. I did not complete second highest number of projects. H completed more projects than I. G completed more projects than K but less than H.
- A) If the data in statement I alone are sufficient to answer the question, while the data in statement II alone are not sufficient to answer the question
- B) If the data in statement II alone are sufficient to answer the question, while the data in statement I alone are not sufficient to answer the question.
- C) If the data cither in statement I alone or in statement II alone are sufficient to answer the question.
- D) If the data in both the statements I and II together are not sufficient to answer the question
- ✓E) If the data in both statements I and II together are necessary to answer the question.

**Explanation:**- Statement1 H>K and J>I,G Statement2 I is not second highest and H>I and H>G>K one person is less than K So by using both statements together answer is I

**DIRECTIONS for the question:** The question below consist of a question and two statements numbered I and II given below it. You have to decide whether the data provided in the statements are sufficient to answer the question. Read both the statements and mark

### Question No.: 95

In a straight line of six people- B, C, D, E, F and G, who sits second from the right end of the line?(Note: All the people are facing north)

- I. E sits second from the left end of the line. B is an immediate neighbour of E. G sits fourth to the right of B. II. C sits third from the left end of the line. Only one person sits between C and B. E sits to the immediate right of B.
- A) If the data in statement I alone are sufficient to answer the question, while the data in statement II alone are not sufficient to answer the question
- B) If the data in statement II alone are sufficient to answer the question, while the data in statement I alone are not sufficient to answer the question.
- C) If the data cither in statement I alone or in statement II alone are sufficient to answer the question.
- ✓D) If the data in both the statements I and II together are not sufficient to answer the question
- E) If the data in both statements I and II together are necessary to answer the question.

**Explanation:-** From first statement, we can infer the following sequence;

 $BE_{\_}G_{\_}$ 

So clearly B sits second from the right end of the line

From second statement following sequences are possible;

BEC\_\_\_or\_\_C\_BE

So we can't be sure about who will sit at second from the right end of the line.



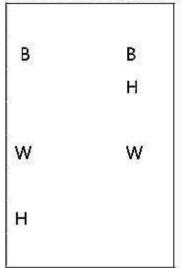
#### Question No.: 96

A certain number of boxes have been stacked one above the other. How many boxes are there in the stack?

- I. Only three boxes are kept between U and H. S is kept immediately below U. Only two boxes are kept between S and B. II. Only one box is kept between H and W. There are only four boxes between W and the box kept at the top. There is only one box above B.
- A) If the data in statement I alone are sufficient to answer the question, while the data in statement II alone are not sufficient to answer the question
- B) If the data in statement II alone are sufficient to answer the question, while the data in statement I alone are not sufficient to answer the question.
- C) If the data cither in statement I alone or in statement II alone are sufficient to answer the question.
- D) If the data in both the statements I and II together are not sufficient to answer the question
- ✓E) If the data in both statements I and II together are necessary to answer the question.

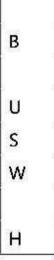
**Explanation:-** From first statement the information provided doesn't give us the exact no. of boxes that are stacked up, as quite a lot of cases are possible.

From second statement,



We are given a constraint for no. of boxes at top, but no info is provided for no. of boxes below W.

Combining Both statements,



So we get a specific sequence, by combining both the statements and hence 8 boxes are stacked up.



#### Question No.: 97

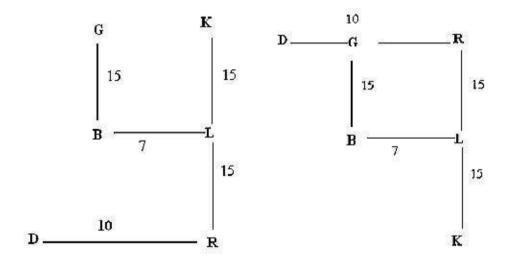
How far is Point D from Point L?

I. Point B is 15m to the south of Point G. Point L is 7m to the east of Point B. Point L is exactly between points K and R such that points K, L and R form a straight line of 30m. Point D is 10m to the west of Point R.

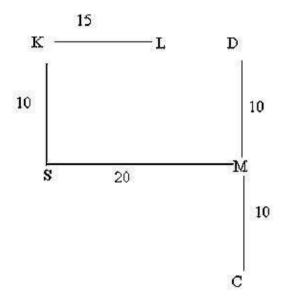
II. Point L is 15m to the east of Point K. Point K is 10m to the north of Point S. Point S is 20m to the west of point M. Point M is exactly between points D and C such that points D, M and C form a straight line of 20m. Point C is to the south of point M.

- A) If the data in statement I alone are sufficient to answer the question, while the data in statement II alone are not sufficient to answer the question
- B) If the data in statement II alone are sufficient to answer the question, while the data in statement I alone are not sufficient to answer the question.
- ✓C) If the data cither in statement I alone or in statement II alone are sufficient to answer the question.
- D) If the data in both the statements I and II together are not sufficient to answer the question
- E) If the data in both statements I and II together are necessary to answer the question.

**Explanation:-** From statement 1, Two sequences are possible;



And in both the cases the Distance of point D from point L, i.e.  $\sqrt{15^2+10^2}$ 



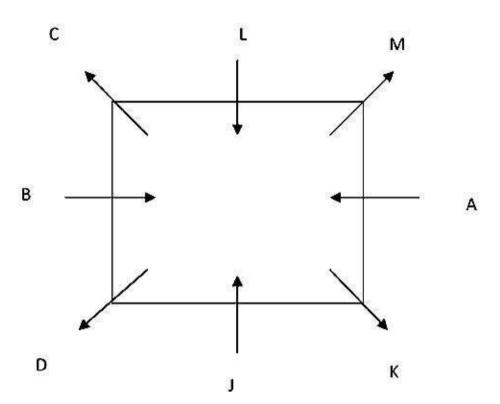
In this case the distance between point D and point L is 5m So both the statements are individually sufficient to answer the question.



## Question No.: 98

Eight people- A, B, C, D, J, K, L and M are sitting around a square table but not necessarily in the same order. The people sitting at the middle of the sides are facing the centre and the ones sitting at the corners are facing outside(i.e. opposite to the centre). Which direction is A facing?

- I. C sits second to the left of M. Only three people sit between C and K. B sits third to the right of K. J is neither an immediate neighbour of M nor B. D faces outside.
- II. Only three people sit between J and L. A sits second to the right of J. M sits to the immediate right of A. Only two people sit between M and B. C faces outside.
- A) If the data in statement I alone are sufficient to answer the question, while the data in statement II alone are not sufficient to answer the question
- B) If the data in statement II alone are sufficient to answer the question, while the data in statement I alone are not sufficient to answer the question.
- C) If the data cither in statement I alone or in statement II alone are sufficient to answer the question.
- D) If the data in both the statements I and II together are not sufficient to answer the question
- ✓E) If the data in both statements I and II together are necessary to answer the question.



Explanation:-

Both statements are required

**DIRECTION for the question:** Read the information given and answer the question that follows.

## Question No.: 99

The Government of State B has recently issued a notice for stalling the post-construction process of building 'S'- built by Builder N. The construction of the building was complete and the residents were informed that they would be given the possession of their flats in around four months time.

Which of the following supports the decision of the Government, of stalling the post-construction process of building 'S'?

- A) The design of building 'S' is exactly the same as the design of building Y which has been built by another builder
- B) The builder has almost doubled this price per flat of building 'S' in the past three years due to its rising popularity
- √C)It was recently noticed by government officials that the builder N built four more floors in building 'S' as compared to



# Question No.: 100

Although steel sector generates 56% of the revenue of State X, an international investment house-Lee and Stem is not interested in inversting in steel sector of State X. According to the investment house's policy, no investments are made in a sector until the returns to the investment are expected to be atleast 42%.

Which of the following can be concluded from the given statement?

- A. Lee and Stem do not expect a return of 42% from the steel sector in State X.
- B. Sectors which already generate high returns do not need investments from foreign investment houses.
- C. According to Lee and Stem, the highest revenue generating sector for State X would fail to provide even half of its investments in return.
- D. after investments from Lee and Stem, the pharmaceutical sector will surpass steel sector in terms of revenue generation for the State.

A) Both (A) & (C) B) Only(C) C) Both (A) & (D) D) Both (B) & (D) ✓E) Only (A)

**Explanation:-** As investor is not interested so they are not expecting 42% return on their investment. Hence option 5.

