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High Level Reasoning Data Sufficiency Quiz for SBI Clerk Mains 2018 and RBI Grade B Phase 1

DATA SUFFICIENCY QUIZ 3

Directions: Each of the questions below consists of a question and two or more statements numbered I, II and III given below it. You have to decide whether the data provided in the statements are sufficient to answer the question:

(1). In a certain language:

I. 'They work very hard' is written as 'ha ti na li'

II. 'Work is worship' is written as 'pa li sa'

III. 'They are very spiritual' is written as 'mi na ki ha'

What is the code word of 'hard'?

- A. Statement (I) and Statement (II) together are sufficient.
- B. Statement (II) and Statement (III) together are sufficient.
- C. Either statement (I) and statement (III) together or statement (II) is sufficient
- D. All the statement (I), statement (II) and statement (III) together are sufficient.
- E. None is sufficient

(2). What is the direction of point B with respect to point P?

I. The distance between points B and M is the same distance between points Q and J. Point H is 3m to the west of point J. Point Q is 4m to the south of point H.

II. Point N is 5m to the west of point Q. Point S is 6m to the north of point N. Point M is 5m to the north of point H. If a person is facing south at point M and he moves 120o in clockwise direction and then turns 30o towards his left, he will face B.

III. Point B is 5m to the west of point M. Point Q is 9m to the south of point M. Point N is 5m to the west of point Q. Q is 2m away from P.

- A. Statement (I) and Statement (II) together are sufficient.
- B. Statement (II) and Statement (III) together are sufficient.
- C. Statement I and either statement II or statement III together are sufficient.
- D. All the statement (I), statement (II) and statement (III) together are sufficient.
- E. None is sufficient

(3). What is Rohit's rank in the class?

- I. Rohit's rank is 24 less than Nandani's rank.**
- II. Archana's rank is 38 more than Rohit's rank. Nandani's rank is 10 less than Archana's rank.**

- A. First set of statements I alone is sufficient.
- B. Second set of statements II alone is sufficient.
- C. Either set of statements I or II alone is sufficient.
- D. Both sets of statements I and II together are not sufficient
- E. Both sets of statements I and II together are sufficient

(4). There are seven letters W, M, V, N, Q, R, and J. What is the fifth letter from the left end?

I. Q is placed fifth to the right of V. W and J are not placed immediately next to either Q or V. Q is placed to the immediate left of R.

II. M is placed to the immediate left of W but is not an immediate neighbour of Q. N is placed second to the left of R.

- A. First set of statements I alone is sufficient.
- B. Second set of statements II alone is sufficient.
- C. Either set of statements I or II alone is sufficient.
- D. Both sets of statements I and II together are not sufficient
- E. Both sets of statements I and II together are sufficient

(5). _____

(6). **Who amongst H, I, J, K and L is the second shortest?**

I. H is taller than I, L is not the tallest.

II. J is taller than H. K is not the tallest.

- A. First set of statements I alone is sufficient.
- B. Second set of statements II alone is sufficient.
- C. Either set of statements I or II alone is sufficient.
- D. Both sets of statements I and II together are not sufficient
- E. Both sets of statements I and II together are sufficient

(7). **In which direction is Point M with respect to Point N?**

I. Point N is to the east of Point P. Point P is to the south of Point O.

II. Point O is to the northeast of Point Q. Point M is to the north of Point O.

- A. First set of statements I alone is sufficient.
- B. Second set of statements II alone is sufficient.
- C. Either set of statements I or II alone is sufficient.
- D. Both sets of statements I and II together are not sufficient
- E. Both sets of statements I and II together are sufficient

(8). **In which month of the year is Pratibha's birthday?**

I. Pratibha correctly remembers that her birthday is in the first half of the year.

II. Pratibha's mother correctly remembers that his birthday is after 31st March but before 1st May.

- A. First set of statements I alone is sufficient.
- B. Second set of statements II alone is sufficient.
- C. Either set of statements I or II alone is sufficient.
- D. Both sets of statements I and II together are not sufficient
- E. Both sets of statements I and II together are sufficient

(9). **On which day of the same week is Kamlesh's exam scheduled (If, Monday is being the first day of the week)?**

- I. Kamlesh correctly remembers that his exam is scheduled on a day after Tuesday but before Thursday.
- II. Kamlesh's father correctly remembers that Kamlesh's exam is scheduled on the third day of the week.
- A. First set of statements I alone is sufficient.
- B. Second set of statements II alone is sufficient.
- C. Either set of statements I or II alone is sufficient.
- D. Both sets of statements I and II together are not sufficient
- E. Both sets of statements I and II together are sufficient
- (10). T, U, V, W, and X, are sitting in a row facing north. Who among the following sits exactly in the middle of the row?
- I. X sits second from the right end of the row and T sits on the immediate left of X.
- II. Only one person sits between W and X. V is not an immediate neighbor of T.
- A. First set of statements I alone is sufficient.
- B. Second set of statements II alone is sufficient.
- C. Either set of statements I or II alone is sufficient.
- D. Both sets of statements I and II together are not sufficient
- E. Both sets of statements I and II together are sufficient

Correct answers:

1	2	3	4	5	6	7	8	9	10
D	C	D	E	C	D	E	B	C	A

Explanations:

1.

From statement I and II, we get:

In these two statements, we can see that only 'work' is common and we did not get code for 'hard'. Hence, these two statements are not sufficient to answer the question.

From statements II and III, we get:

In these two statements, we get nothing common. Hence, these statements are not sufficient to answer the question.

From statements I and III, we get:

In these two statements, we can see that 'they' and 'very' are common but still we will not get the code for 'hard'. Hence, these two statements are not sufficient to answer the question.

From statements I, II and III, we get:

'work' → li (from statements I and II)

They/very → na/ha (From statements I and III)

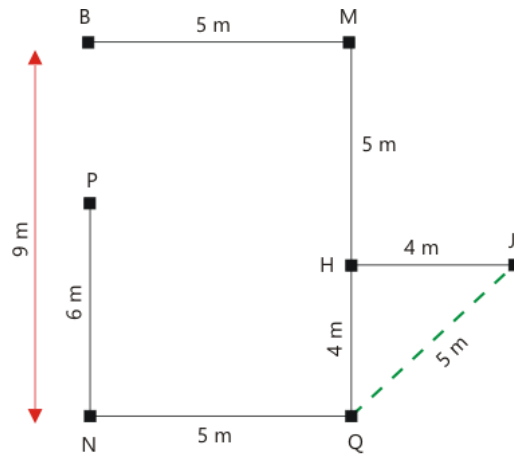
Hence, the code for 'hard' is 'ti'

Hence all three are necessary and sufficient to answer the question.

Therefore, option D is correct.

2.

From statements I and II, we get:

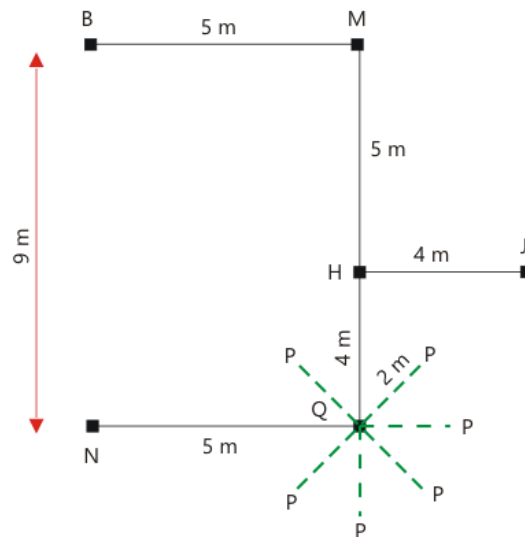


Following the image, we can say that Point B is in north direction with respect to P.

From statements II and III:

As, P is 6m to the north of N which is 5 m to the east of Q. P cannot be 2m away from Q.

From statements I and III, we get:



Following the image we can say that Point B is in north-west direction with respect to P.

Hence, the correct answer would be 'Statement I and either statement II or statement III together' are sufficient to answer the question.

Therefore, option C is correct.

3.

From statement I alone:

We have no information about Nandani's rank. Therefore, Rohit's rank cannot be determined.

Thus, the question cannot be answered using Statement I alone.

From statement II alone:

Archana's rank and Nandani's rank is not given. Therefore, Rohit's rank cannot be determined.

Thus, the question cannot be answered using statement II alone.

From statements I and II together:

Ranks are not known for any of them. Thus, Rohit's rank cannot be found.

Thus, the question cannot be answered using both statements I and II together.

Hence, option D is correct.

4.

From statement I:

Q is placed fifth to the right of V. Also, Q is placed to the immediate left of R.

Therefore, the arrangement becomes

V _ _ _ _ Q R

Q and J are not placed immediately next to either Q or V.

Therefore, the arrangement becomes

V __ W J __ Q R

or V __ J W __ Q R

However the word formed cannot be determined using this statement.

Thus, the question cannot be answered using Statement I alone.

From statement II:

M is placed to the immediate left of W, but is not an immediate neighbour of Q.
N is placed second to the left of R.

__ M W __ N __ R

However, the word formed cannot be determined using this statement.

Thus, the question cannot be answered using Statement II alone.

From statements I and II together:

N is placed to the immediate left of W.

Therefore, the arrangement becomes

V M W J __ Q R

Thus, the question can be answered using both statements I and II together.

Hence, option E is correct.

6.

Form statement I:

Reference:

H is taller than I, L is not the tallest.

$H > I$, L is not the tallest.

Hence, statement I is not sufficient to answer the question.

From statement II:

Reference:

J is taller than H. K is not the tallest.

$J > H$, K is not the tallest.

Hence, statement II is not sufficient to answer the question.

Combining both the statements, we get:

$J > H > I > K > L$ or $J > H > I > L > K$, Hence, two cases are possible, so either L or K can be second shortest.

Hence, the correct answer would be 'both the statements are not sufficient to answer the question'.

Hence, option D is correct.

7.

From statement I:

Reference:

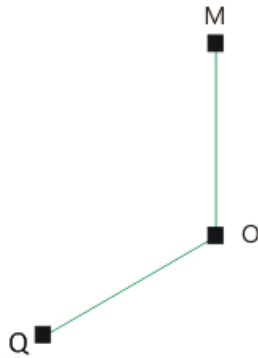
Point N is to the east of Point P. Point P is to the south of Point O.



Hence, statement I is not sufficient to answer the question.

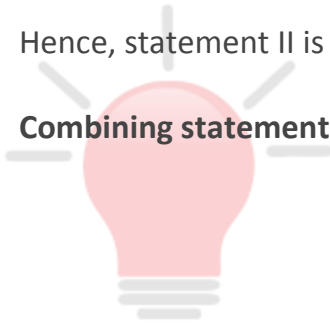
From statement II:

Point O is to the northeast of Point Q. Point M is to the north of Point O.

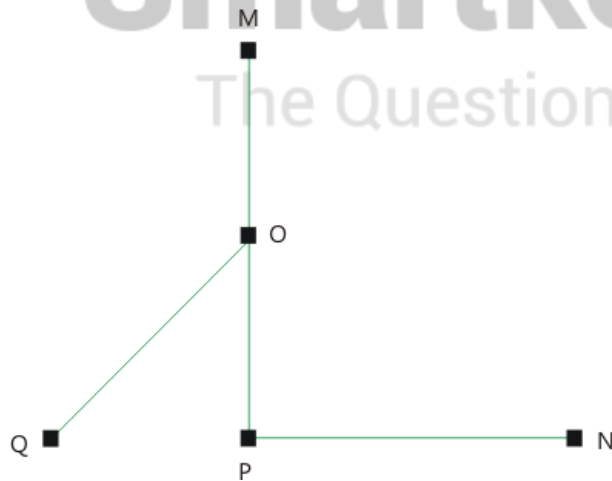


Hence, statement II is not sufficient to answer the question.

Combining statement I and II, we get:



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Hence, both the statements are sufficient to answer the question.

Hence, option E is correct.

8.

From the statement I:

Here, as Pratibha correctly remembers that her birthday is in the first half of the year, so his birthday is in January or February or March, April or May or June.

Hence, statement I is not sufficient to answer the question.

From the statement II:

Here, as Pratibha's mother correctly remembers that his birthday is after 31st March but before 1st May, so we can say that Pratibha's birthday is in April.

Hence, statement II is sufficient to answer the question.

Therefore, option B is correct.

9.

From statement I:

Reference:

Kamlesh correctly remembers that his exam is scheduled on a day after Tuesday but before Thursday.

From the above reference, we can say that the day after Tuesday and before Thursday is Wednesday. Hence, Kamlesh's exam is scheduled on Wednesday.

Hence, statement I is sufficient to answer the question.

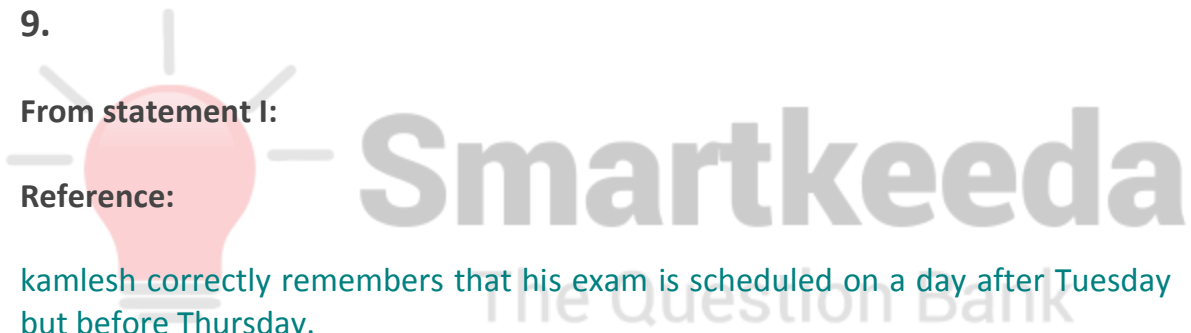
From statement II:

Reference:

Kamlesh's father correctly remembers that Kamlesh's exam is scheduled on the third day of the week.

From the above reference, the third day of the week is Wednesday, as it is given that Monday is first day of the week.

Hence, statement II is sufficient to answer the question.



Hence, the correct answer would be 'Either statement I or statement II is sufficient to answer the question'.

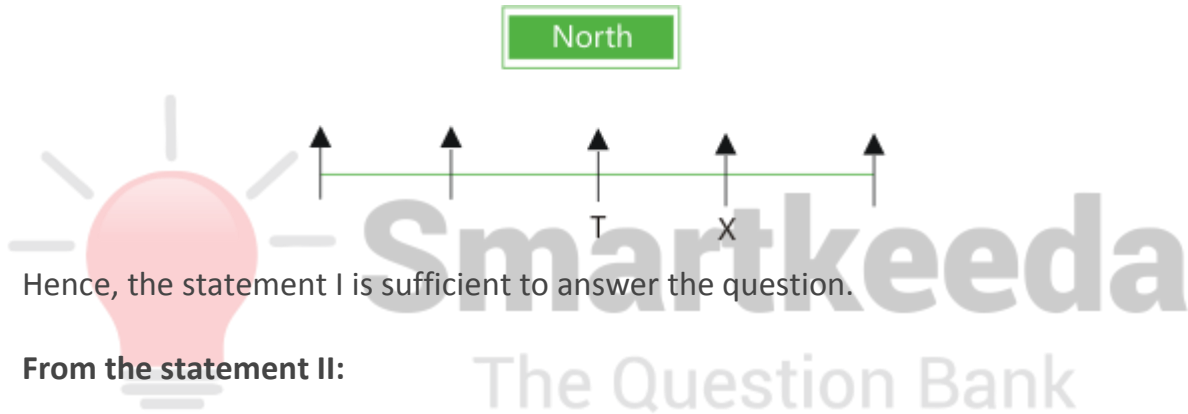
Therefore, option C is correct.

10.

From the statement I:

Reference:

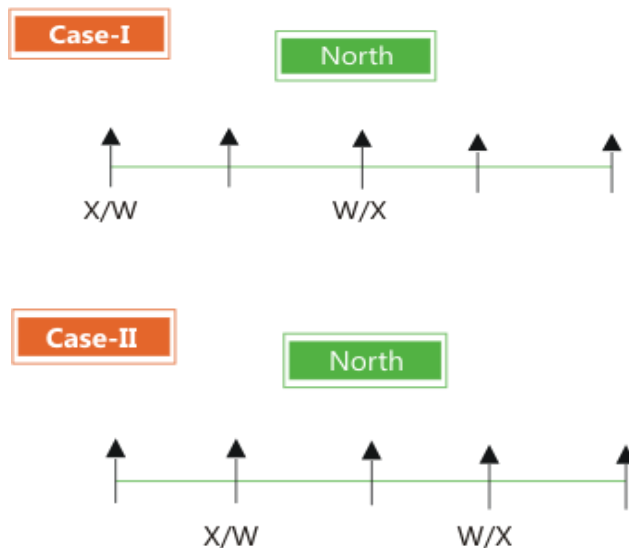
X sits second from the right end of the row and T sits on the immediate left of X.



From the statement II:

Reference:

Only one person sits between W and X.



Case-III

North



Reference:

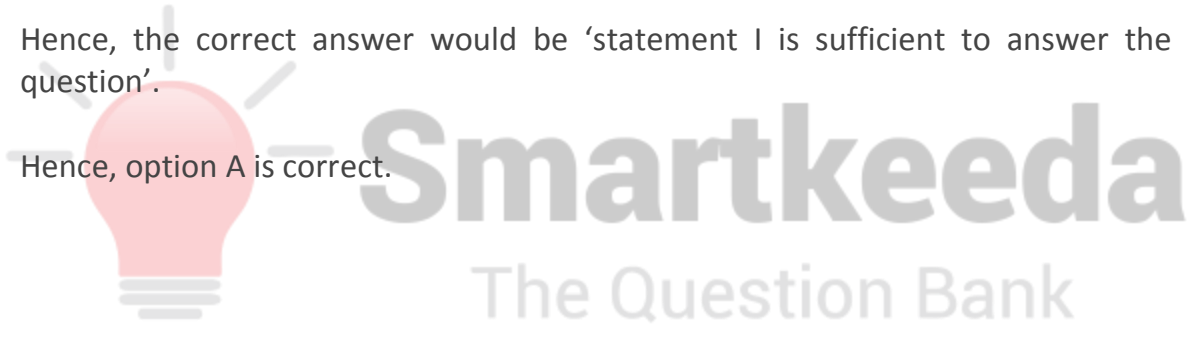
V is not an immediate neighbor of T.

Note: If we use this piece of information in the given cases above, we can see that there are several possibilities.

Hence, statement II is not sufficient to answer the question.

Hence, the correct answer would be 'statement I is sufficient to answer the question'.

Hence, option A is correct.





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