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Data sufficiency questions for IBPS clerk mains and SBI clerk mains exams

DATA SUFFICIENCY QUIZ 4

Directions: Each of the questions below consists 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:

1. **Among five persons – A, B, C, D and E each one of different height, who is the tallest?**

   Statement I: B is taller than C and D but shorter than E who is not the tallest.
   Statement II: E is taller than B and C but shorter than A.

   A. If the data in statement I alone are sufficient to answer the question, while the data in statement II alone are not sufficient in 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 in either 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 the statements I and II are together necessary to answer the question.

2. **Five persons – P, Q, X, Y and Z are sitting around a circular table with all of them facing towards the center. Who sits to the immediate left of Q?**

   Statement I: P sits third to right of Q. X sits third to right of P.
   Statement II: Q sits immediate left of X who sits second to left of P. Y does not sit adjacent to Q.

   A. If the data in statement I alone are sufficient to answer the question, while the data in statement II alone are not sufficient in 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 in either 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 the statements I and II are together necessary to answer the question.

3. What is the floor number of C in the 5 storey apartment?

Statement I: A's floor, which is adjacent to C, is exactly below E's floor which is fifth floor.
Statement II: C's floor is exactly above F's floor, whose floor is exactly above B's floor which is first.

A. If the data in statement I alone are sufficient to answer the question, while the data in statement II alone are not sufficient in 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 in either 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 the statements I and II are together necessary to answer the question.

4. On which day Meena goes to Goa?

Statement I: According to Meena's sister Meena goes to Goa after Tuesday and before Sunday but she did not go to Goa on Thursday.
Statement II: According to Meena's father Meena goes to Goa after Monday and before Saturday.

A. If the data in statement I alone are sufficient to answer the question, while the data in statement II alone are not sufficient in 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 in either 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 the statements I and II are together necessary to answer the question.

5. How many persons are there in the row if all of them are facing North?

Statement I: P who is tenth from the left end is fifth to the left of Q who is sixteenth from the right end.
Statement II: R is seventh to the left of S who is eleventh from the right end and nineteenth from the left end.

A. If the data in statement I alone are sufficient to answer the question, while the data in statement II alone are not sufficient in 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 in either 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 the statements I and II are together necessary to answer the question.

Correct answers:

1	2	3	4	5
A	B	C	D	C

Explanations:

1.

Here, the data in statement I alone is sufficient to answer the question.

Hence, the correct answer is option A.

Common Explanation:

From Statement I:

Reference:

B is taller than C and D but shorter than E who is not the tallest.

Inference:

Using the given information we can arrange these persons in the decreasing order of their height.

Decreasing order of height →
A > E > B > C/D > D/C

Here, in the above arrangement it is clear that A is the tallest. Hence, data in statement I alone is sufficient.

From Statement II:

Reference:

E is taller than B and C but shorter than A.

Inference:

Using the given information we can arrange these persons in the decreasing order of their height.

Decreasing order of height →
A > E > B/C > C/B

Here, in the above arrangement we have no information about D.

Hence, data in statement II alone is not sufficient.

2.

Here, the data in statement II alone is sufficient to answer the question.

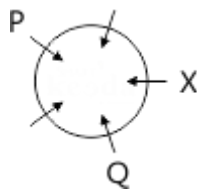Hence, the correct answer is option B.

Common Explanation:

From Statement I:

Reference:

P sits third to right of Q. X sits third to right of P.

Inference:

Using the given information we can create a following circular arrangement.

Here, in the above circular arrangement either Y or Z can sit on the immediate left of Q.
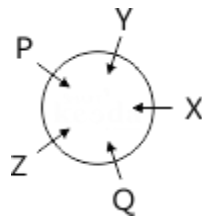
Hence, data in statement I alone is not sufficient.

From Statement II:

Reference:

Q sits immediate left of X who sits second to left of P. Y does not sit adjacent to Q.

Inference:

Using the given information we can create a following circular arrangement.

Here, in the above circular arrangement it is clear that Z sits on the immediate left of Q.

Hence, data in statement II alone is sufficient.

3.

Here, the data in either in statement I alone or in statement II alone are sufficient to answer the question.

Hence, the correct answer is option C.

Common Explanation:

From Statement I:

Reference:

A's floor, which is adjacent to C, is exactly below E's floor which is fifth floor.

Inference:

Using the given information we can make a floor chart of these persons.

Floor	Person
5	E
4	A
3	C
2	
1	

Here, it is clear that C lives on third floor.

Hence, data in statement I alone is sufficient.

From Statement II:

Reference:

C's floor is exactly above F's floor, whose floor is exactly above B's floor which is first.

Inference:

Using the given information we can make a floor chart of these persons.

Floor	Person
5	
4	
3	C
2	F
1	B

Here, it is clear that C lives on third floor.

Hence, data in statement II alone is also sufficient.

4.

Here, the data in both the statements I and II together are not sufficient to answer the question.

Hence, the correct answer is option D.

Common Explanation:

From Statement I:

Reference:

According to Meena's sister Meena goes to Goa after Tuesday and before Sunday but she did not go to Goa on Thursday.

Inference:

Using the given information we can say that Meena goes to trip on one of the days among Wednesday, Friday and Saturday.

Hence, data in statement I alone is not sufficient.

From Statement II:

Reference:

According to Meena's father Meena goes to Goa after Monday and before Saturday.
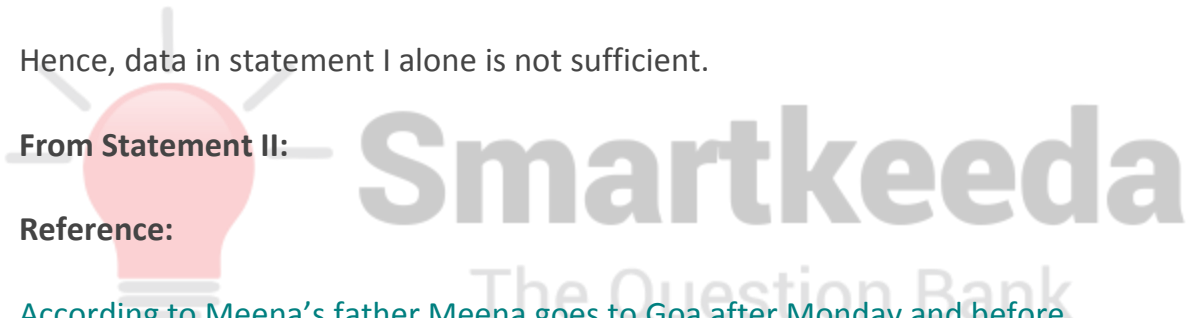
Inference:

Using the given information we can say that Meena can go to trip on any of the days among Tuesday, Wednesday, Thursday and Friday.

Hence, data in statement II alone is also not sufficient.

Combining statement I and II:

From Statement I, we figured out that Meena goes to trip on one of the days among Wednesday, Friday and Saturday.

From Statement II, we figured out that Meena can go to trip on any of the days among Tuesday, Wednesday, Thursday and Friday.

After, compiling the above information we can say that Meena goes to Goa on either Wednesday or Friday.

Hence, data in both statements I and II together are not sufficient.

5.

Here, the data in either in statement I alone or in statement II alone are sufficient to answer the question.

Hence, the correct answer is option C.

Common Explanation:

From Statement I:

Reference:

P who is tenth from the left end is fifth to the left of Q who is sixteenth from the right end.

Inference:

Using the given information we can say that total persons in the line = 9 persons + P + 4 persons + Q + 15 persons

Total number of persons in the line = 9 + 1 + 4 + 1 + 15 = 30

Hence, data in statement I alone is sufficient.

From Statement II:

Reference:

R is seventh to the left of S who is eleventh from the right end and nineteenth from the left end

Inference:

Using the given information we can say that total persons in the line = 11 persons + R + 6 persons + S + 10 persons

Total number of persons in the line = 11 + 1 + 6 + 1 + 10 = 29

Hence, data in statement II alone is also sufficient.