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Vedic Mathematics

DATA SUFFICIENCY

Directions to Solve:
In 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. Read both the statements and
Give answer
(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 either in statement I alone or in statement II alone are sufficient to answer the question
(D) If the data given in both statements I and II together are not sufficient to answer the question and
(E) If the data in both statements I and II together are necessary to answer the question.

1) What is the code for 'sky' in the code language ?
Statements:
A. In the code language, 'sky is clear' is written as 'de ra fa'.
B. In the same code language, 'make it clear' is written as 'de ga jo'.
a) I alone is sufficient while II alone is not sufficient
b) II alone is sufficient while I alone is not sufficient
c) Either I or II is sufficient
d) Neither I nor II is sufficient

2) How many children are there between P and Q in a row of children ?
Statements:
P is fifteenth from the left in the row.
Q is exactly in the middle and there are ten children towards his right.
a) I alone is sufficient while II alone is not sufficient
b) II alone is sufficient while I alone is not sufficient
c) Either I or II is sufficient
d) Both I and II are sufficient

3) How is T related to K?
Statements:
R's sister J has married Ts brother L, who is the only son of his parents.
K is the only daughter of L and J.
a) I alone is sufficient while II alone is not sufficient
b) II alone is sufficient while I alone is not sufficient
c) Either I or II is sufficient
d) Both I and II are sufficient

4) How is J related to P ?
Statements:
M is brother of P and T is sister of P.
P's mother is married to J's husband who has one son and two daughters.
a) I alone is sufficient while II alone is not sufficient
b) II alone is sufficient while I alone is not sufficient
c) Either I or II is sufficient
d) Neither I nor II is sufficient

5) How is X related to Y ?
Statements:
Y and Z are children of D who is wife of X.
R's sister X is married to Ys father.
a) I alone is sufficient while II alone is not sufficient
b) II alone is sufficient while I alone is not sufficient
c) Either I or II is sufficient
d) Neither I nor II is sufficient

Statements:
6) The first serial was screened on 23rd, Tuesday and was followed by serial D.
Serial A was not screened on 25th and one serial was screened between serials A and B.
a) I alone is sufficient while II alone is not sufficient
b) II alone is sufficient while I alone is not sufficient
c) Either I or II is sufficient
d) Both I and II are sufficient

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7) On a T.V. channel, four serials A, B, C and D were screened, one on eacn day, on four consecutive days but not necessarily in that order. On which day was the serial C screened ?
Statements:
(I) The first serial was screened on 23rd, Tuesday and was followed by serial D.
(II) Serial A was not screened on 25th and one serial was screened between serials A and B.
a) I alone is sufficient while II alone is not sufficient
b) II alone is sufficient while I alone is not sufficient
c) Either I or II is sufficient
d) Both I and II are sufficient

8) How many students in a class play football ?
Statements:
(I) Only boys play football.
(II) There are forty boys and thirty girls in the class.
a) I alone is sufficient while II alone is not sufficient
b) II alone is sufficient while I alone is not sufficient
c) Either I or II is sufficient
d) Neither I nor II is sufficient

9) Among T, V, B, E and C, who is the third from the top when arranged in the descending order of their weights ?
Statements:
(I) B is heavier than T and C and is less heavier than V who is not the heaviest.
(II) C is heavier than only T.
a) I alone is sufficient while II alone is not sufficient
b) II alone is sufficient while I alone is not sufficient
c) Either I or II is sufficient
d) Neither I nor II is sufficient

10) B is the brother of A. How is A related to B ?
Statements:
(I) A is the sister of C.
(II) E is the husband of A.
a) I alone is sufficient while II alone is not sufficient
b) II alone is sufficient while I alone is not sufficient
c) Either I or II is sufficient
d) Neither I nor II is sufficient

11) How is X related to Y?
Statements:
(I) Y says, "I have only one brother".
(II) X says, "I have only one sister".
a) I alone is sufficient while II alone is not sufficient
b) II alone is sufficient while I alone is not sufficient
c) Either I or II is sufficient
d) Neither I nor II is sufficient

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. Read all the statements and give answer:

12) Pranav and Pankaj started working together. After a few days, Prashant joined them and they were able to finish the work in 10 days. All of them together were paid a total of Rs. 800. Find the share of Prashant.
Statement I : Pranav can do the work in 20 days while Pankaj can do the same work in 25 days.
Statement II : Pranav can do the work in 60 days, while Pankaj can do the same work in 15 days.
a) If the data in statement I alone is sufficient to answer the question, while the data in statement II alone is not sufficient to answer the question
b) If the data in statement II alone is sufficient to answer the question, while the data in statement I alone is not sufficient to answer the question
c) If the data either in statement I alone or in statement II alone is sufficient to answer the question
d) If the data in both statements I and II together are necessary to answer the question

13) Two partners, P and Q entered in a business, what profit will Q get at the end of 2 years?
Statement I : P and Q started the business by investing in the ratio 4: 7 and After 2 years, P's share is Rs. 95000.

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Statement II : P joined the business with an amount of Rs. 500000
a) If the data in statement I alone is sufficient to answer the question, while the data in statement II alone is not sufficient to answer the question
b) If the data in statement II alone is sufficient to answer the question, while the data in statement I alone is not sufficient to answer the question
c) If the data either in statement I alone or in statement II alone is sufficient to answer the question
d) If the data in both statements I and II together are necessary to answer the question

14) Find the total population of Kanpur.
Statement I : The ratio of the population of males and females in Kanpur is 33 : 29 and the difference between their population is 24000.
Statement II : The population of Kanpur is 60% of that of Patna, and the difference between population of Kanpur and Patna is 35000.
a) If the data in statement I alone is sufficient to answer the question, while the data in statement II alone is not sufficient to answer the question
b) If the data in statement II alone is sufficient to answer the question, while the data in statement I alone is not sufficient to answer the question
c) If the data either in statement I alone or in statement II alone is sufficient to answer the question
d) If the data in both statements I and II together are necessary to answer the question

15) In a certain coding system, 526 equals like white one. What is the coding for one in that system?
I. 325 equals and this thing.
II. 436 equals stand at one.
a) If the detail in point I individually is adequate to answer the question while the detail in point II individually is not adequate to answer the question.
b) If the detail in point II individually is adequate to answer the question, while the detail in point I individually is not adequate to answer the question.
c) If the detail either in point I individually or in the point II individually is adequate to answer the question.
d) If the detail even in both the points together are not adequate to answer the question.

16) Manjeet Kaur scored an aggregate of 70 marks in physics, chemistry and biology. How much did he get in chemistry?
I. His aggregate in physics and biology is 50.
II. He got 45 marks in biology.
a) If the detail in point I individually is adequate to answer the question while the detail in point II individually is not adequate to answer the question.
b) If the detail in point II individually is adequate to answer the question, while the detail in point I individually is not adequate to answer the question.
c) If the detail either in point I individually or in the point II individually is adequate to answer the question.
d) If the detail even in both the points together are not adequate to answer the question.

17) Which of the numbers between A, B, C, D and E are odd numbers?
I. A, B, C, D, E are consecutive numbers.
II. C is an even number.
a) If the detail in point I individually is adequate to answer the question while the detail in point II individually is not adequate to answer the question.
b) If the detail in point II individually is adequate to answer the question, while the detail in point I individually is not adequate to answer the question.
c) If the detail either in point I individually or in the point II individually is adequate to answer the question.
d) If the detail in both the points I and II together are needed to answer the question.

18) How many sisters does P have?
I. T and V are only sisters of D.
II. D is brother of P.

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a) If the detail in point I individually is adequate to answer the question while the detail in point II individually is not adequate to answer the question.
b) If the detail in point II individually is adequate to answer the question, while the detail in point I individually is not adequate to answer the question.
c) If the detail either in point I individually or in the point II individually is adequate to answer the question.
d) If the detail in both the points I and II together are needed to answer the question.

19) In a certain coding system, 123 equals find a job. What is the coding for find in that system?
I. 473 equals try this job.
II. 189 equals find a girl.
a) If the detail in point I individually is adequate to answer the question while the detail in point II individually is not adequate to answer the question.
b) If the detail in point II individually is adequate to answer the question, while the detail in point I individually is not adequate to answer the question.
c) If the detail either in point I individually or in the point II individually is adequate to answer the question.
d) If the detail even in both the points together are not adequate to answer the question.

20) How many spectators went to Eden Gardens this year?
I. Last year 80000 tourists went to Eden gardens.
II. This year there is a decrease of 8% from the last year.
a) If the detail in point I individually is adequate to answer the question while the detail in point II individually is not adequate to answer the question.
b) If the detail in point II individually is adequate to answer the question, while the detail in point I individually is not adequate to answer the question.
c) If the detail either in point I individually or in the point II individually is adequate to answer the question.
d) If the detail in both the points I and II together are needed to answer the question.

21) 69. RCB has won how many IPL?
I. RCB has been qualified to finals twice.
II. KKR has won IPL twice.
a) If the detail in point I individually is adequate to answer the question while the detail in point II individually is not adequate to answer the question.
b) If the detail in point II individually is adequate to answer the question, while the detail in point I individually is not adequate to answer the question.
c) If the detail either in point I individually or in the point II individually is adequate to answer the question.
d) If the detail even in both the points together are not adequate to answer the question.

22) Which of the numbers between Q, R, S, T, U are even numbers?
I. Q, R, S, T, U are consecutive numbers.
II. S is an even number.
a) If the detail in point I individually is adequate to answer the question while the detail in point II individually is not adequate to answer the question.
b) If the detail in point II individually is adequate to answer the question, while the detail in point I individually is not adequate to answer the question.
c) If the detail in both the points I and II together are needed to answer the question.
d) If the detail even in both the points together are not adequate to answer the question.

23) Among Rani, Lucky, Lija who is the tallest?
I. Rani is the shortest among all.
II. Lucky is not the tallest.
a) If the detail in point I individually is adequate to answer the question while the detail in point II individually is not adequate to answer the question.

b) If the detail in point II individually is adequate to answer the question, while the detail in point I individually is not adequate to answer the question.

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c) If the detail either in point I individually or in the point II individually is adequate to answer the question.
d) If the detail in both the points I and II together are needed to answer the question.

24) Surya Prakash scored an aggregate of 75 marks in AEC, DEC, and ACT. How much did he get in AEC?
I. His aggregate in DEC and ACT is 80.
II. He got 78 marks in ACT.
a) If the detail in point I individually is adequate to answer the question while the detail in point II individually is not adequate to answer the question.
b) If the detail in point II individually is adequate to answer the question, while the detail in point I individually is not adequate to answer the question.
c) If the detail either in point I individually or in the point II individually is adequate to answer the question.
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25) Who is to the immediate right of P among five persons P, Q, R, S and T facing North ?
Statements:
I R is third to the left of Q and P is second to the right of R.
II Q is to the immediate left of T who is second to the right of P.
a) I alone is sufficient while II alone is not sufficient
b) II alone is sufficient while I alone is not sufficient
c) Either I or II is sufficient
d) Neither I nor II is sufficient

26) On which date of the month was Anjali born in February 2004 ?
Statements:
I. Anjali was born on an even date of the month.
II. Anjali's birth date was a prime number.
a) I alone is sufficient while II alone is not sufficient
b) II alone is sufficient while I alone is not sufficient
c) Either I or II is sufficient
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27) On which day in April is Gautam's birthday?
Statements:
I. Gautam was born exactly 28 years after his mother was born.
II. His mother will be 55 years 4 months and 5 days on August 18 this year.
a) I alone is sufficient while II alone is not sufficient
b) II alone is sufficient while I alone is not sufficient
c) Either I or II is sufficient
d) Both I and II are sufficient

28) What is the code for 'is' in the code language ?
Statements:
I.In the code language, 'shi tu ke' means 'pen is blue'.
II. In the same code language, 'ke si re' means 'this is wonderful'.
a) I alone is sufficient while II alone is not sufficient
b) II alone is sufficient while I alone is not sufficient
c) Either I or II is sufficient
d) Both I and II are sufficient

29) Among A, B, C, D and E, who is in the middle while standing in a row ?
Statements:
I. C, who is third to the left of D, is to the immediate right of A and second to the left of E.
II. C is second to the left of E, who is not at any of the ends and who is third to the right of A. D is at one of the ends.
a) I alone is sufficient while II alone is not sufficient
b) II alone is sufficient while I alone is not sufficient
c) Either I or II is sufficient
d) Neither I nor II is sufficient

30) Among A, B, C, D, E and F, who is the heaviest ?
Statements:
I. A and D are heavier than B, E and F but none of them is the heaviest.
II. A is heavier than D but lighter than C.
a) I alone is sufficient while II alone is not sufficient
b) II alone is sufficient while I alone is not sufficient
c) Either I or II is sufficient
d) Neither I nor II is sufficient

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31) What is Nitin's rank from the top in a class of forty students ?
Statements:31
I.There are ten students between Nitin and Deepak.
II. Deepak is twentieth from the top.
a) I alone is sufficient while II alone is not sufficient
b) II alone is sufficient while I alone is not sufficient
c) Either I or II is sufficient
d) Neither I nor II is sufficient

32) Which direction is Sunny facing now ?
Statements:
I. If Sunny turns to his right and again turns to his right, he will be facing North.
II. If Sunny walks some distance and turns left and again walks some distance, then his face will be towards left of Dinesh who is facing South.
a) I alone is sufficient while II alone is not sufficient
b) II alone is sufficient while I alone is not sufficient
c) Either I or II is sufficient

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d) Neither I nor II is sufficient

33) T studies in which of the schools B, C, D, E and F ?
Statements:
I.T does not study in the same school as either R or J.
II.R and J study in schools D and F respectively.
a) I alone is sufficient while II alone is not sufficient
b) II alone is sufficient while I alone is not sufficient
c) Either I or II is sufficient
d) Neither I nor II is sufficient

34) How is Divya related to Shaloo ?
Statements:
I.Divya's mother is sister of Shaloo's father.
II.Shaloo is the daughter of Divya's grandfather's only child.
a) I alone is sufficient while II alone is not sufficient
b) II alone is sufficient while I alone is not sufficient
c) Either I or II is sufficient
d) Neither I nor II is sufficient

35) How many New Year's greeting cards were sold this year in your shop ?
Statements:
I.Last year 2935 cards were sold.
II.The number of cards sold this year was 1.2 times that of last year.
a) I alone is sufficient while II alone is not sufficient
b) II alone is sufficient while I alone is not sufficient
c) Either I or II is sufficient
d) Both I and II are sufficient

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