



## Data Sufficiency



- **Not a separate topic:** To solve these questions, you should be well versed with all individual topics.
- **Two / Three statements based questions**
- **In case of 3 statements, always try to solve them by options. Look for the combination that is getting repeated in the options and start solving it.**
- **Do not run after solving the question completely. Our aim is not to find the actual answer but to check how we can reach to that answer.**
- **Do not unnecessarily combine the statements, first solve the statements individually.**
- **Our answer should always be definite and not in possibilities.**

**Q.1) There are six letters T, I, N, O, A, C. Is 'ACTION' the word formed after performing the following operations using these six letters only?**

- I. O is placed fourth to the right of A. T is not placed immediately next to either A or O.**
- II. N is placed immediately next (either left or right) to O. I is placed immediately next (either left or right) to T.**
- III. Both C and I are placed immediately next to T. The word does not begin with N. A is not placed immediately next to I.**

- [a] Only II**
- [b] Only II and III**
- [c] Only I and II**
- [d] Only I and III**
- [e] All I, II and III**

**Answer – D**



**Q.2) Three passengers with ticket numbers 1, 2, and 3 left the hotel at different times and arrived at the airport at different times, without any necessary order. Which passenger, identified by their ticket number, arrived last at the airport?**

- I. The ticket number and the order in which these passengers left the hotel or arrived at the airport is not the same.**
- II. The passenger who left the hotel second is the first one to reach the airport.**

**[a] If the question can be answered using (I) statement alone.**

**[b] If the question can be answered using (II) statement alone.**

**[c] If the question can be answered using either statement alone.**

**[d] If the question can be answered using (I) and (II) together.**

**[e] If the question cannot be answered even using (I) and (II) together.**

**Answer – D**



**Q.3)** There are five brothers A, B, C, D and E. Each of them was born in the month of May or September in the same year on different dates, viz 8, 15, 21, 28, 31 but not necessarily in the same order. C is born on which of these dates?

- I.** D and A were not born on even-number dates. D was born before A. Only two persons were born between C and B.
- II.** None of them was born after B. C was born on a date between D and A. C was born on an even date. More than three persons were born in the same month.

**[a]** if the data in statement I alone are sufficient

**[b]** if the data in statement II alone are sufficient

**[c]** if the data either in statement I alone or II alone are sufficient

**[d]** if the data in both statement I and II together are not sufficient

**[e]** if the data in both statement I and II together are necessary

**Answer – E**



**Q.4) All male are mice. All mice are fruit eater. No fruit eater is non-vegetarian. Is Ramesh a non-vegetarian?**

- (I) Ramesh is a male.**
- (II) Ramesh is not a male.**

**[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.**

**Answer – A**



**Q.5) Vivekanand School, Delhi is going to arrange a sports day in the month of April. For the same, class teacher of 10<sup>th</sup> standard wants to form a team of three students from among five students – Aman, Bihu, Chander, Devesh, and Elina. Who among Aman, Bihu, Chander, Devesh, and Elina is definitely selected?**

- I. If Bihu is selected then Devesh is selected and if Chander is selected then Elina is selected.**
- II. Bihu and Chander cannot be selected together, and only one among Aman and Devesh is selected.**

- [a] If data in statement I alone are sufficient**
- [b] If data in statement II alone are sufficient**
- [c] If data either in I alone or II alone are sufficient**
- [d] If data given in both statements I and II together are not sufficient**
- [e] If data in both statements I and II together are necessary**

**Answer – B**



**Q.6) Seven persons J, K, L, M, N, O and P are sitting in a straight line facing north but not necessarily in the same order. Who among them sits exactly in the middle of the line?**

- I. Only three persons sit between M and P. N sits to the right of P but not on the immediate left of K. Only two persons sit between K and P. M sits at the extreme right end of the line.**
- II. Only one person sits between J and P. N sits on the immediate left of J. M sits to the right of N. J is not an immediate neighbour of M. P sits third from the left end of the line.**

- [a] if data in statement I alone is sufficient**
- [b] if data in statement II alone is sufficient**
- [c] if data either in I alone or II alone is sufficient**
- [d] if data in both statement I and II together are not sufficient**
- [e] if data in both statement I and II together are necessary**

**Answer – C**



**Q.7) Aishwarya, Bahrein and Kiara went to watch the movie 'Pathan'. In the picture hall they are seated in a row not necessarily in the same order. Is Bahrein seated in the middle?**

- I. Kiara is not seated to the left of Bahrein.**
- II. Aishwarya and Kiara are not the immediate neighbors of each other.**
- III. Bahrein is not seated to the right of Aishwarya.**

**[a] If data in statement I alone is sufficient to answer the question**

**[b] If the data in statement II alone is sufficient to answer the question**

**[c] If the data given in all the statements I, II and III together are not sufficient to answer the question**

**[d] If the data in either II and III or only in I is sufficient to answer the question.**

**[e] If the data in either I and III or Only in II is sufficient to answer the question.**

**Answer – E**



**Q.8) Who is the youngest among six family members Danial, Chris, Bella, Emily, Alex and Fiona? (Each member is of a different age.)**

- I. Danial is the daughter-in-law of Emily. Alex is grandson of Fiona, who is the father of Chris.**
- II. Danial is not the youngest while Fiona is the eldest.**
- III. Chris is the father of Danial, who is the grandson of Fiona. Emily is the wife of Alex' son and Bella's father.**

- [a] If data in I alone or II alone or III alone is sufficient**
- [b] If data in I and II together are sufficient**
- [c] If data in II and III together are sufficient**
- [d] If data in I and III together are sufficient**
- [e] If data in all I, II and III are necessary**

**Answer – C**



**Q.9)** In a seven-floor building with numbered floors, seven individuals named Maya, Neha, Zara, Bhavya, Rohit, Anika, and Manish reside, with the bottom floor numbered 1 and the top floor numbered 7.

Which floor is Rohit residing on?

- I. Maya occupies the fifth floor, and Bhavya does not reside on the top floor. There is a gap of two floors between Maya and Anika, who lives immediately below Neha.
- II. Neha lives on the third floor, and Zara occupies the top floor. Maya is situated three floors above Anika. Anika is immediately above Manish. Maya is positioned on an odd-numbered floor.
- III. Bhavya, situated on the fourth floor, is exactly between Manish and Zara. Zara occupies the top floor.

- [a] Either statement I and III or II and III together are sufficient.
- [b] All statements I, II and III together are not sufficient.
- [c] Both statements I and II together are sufficient.
- [d] All statements I, II and III together are necessary.
- [e] Both statements II and III together are sufficient.

**Answer – A**



**Q.10) How far is point C from A?**

- I. A person starts from point A, walks 12m to the south, takes a right turn and walks 2m. He then takes a left turn and walks 5m. He takes a left turn again, walks for 2m and reaches point B. If the person takes a left turn and walks 5m, he will reach point C.**
- II. A person starts from point A, walks 12m towards east, takes a left turn and walks 4m. He then takes a left turn again and walks for 12m to reach point X. If he takes a right turn from point X and walks 6m, he will be 29m away from point C.**

- [a] if data in I alone are sufficient**  
**[b] if data in II alone are sufficient**  
**[c] if data either in I alone or II alone are sufficient**  
**[d] if data in both I and II together are not sufficient**  
**[e] if data in both I and II together are necessary**

**Answer – A**



**Q.11) Out of two managers A and B, two assistants C and D, and two accountants E and F, a team of three members is to be formed.**

**Who among them is certain to be selected?**

- I. A is chosen only if D is chosen, and C and F cannot be selected together.**
- II. Only one of B and E is selected.**

- [a] If the question can be answered using (I) statement alone.**
- [b] If the question can be answered using (II) statement alone.**
- [c] If the question can be answered using either statement alone.**
- [d] If the question can be answered using (I) and (II) together.**
- [e] If the question cannot be answered even using (I) and (II) together.**

**Answer – D**



**Q.12)** There are four members in a family, namely A, B, C, and D, and each one of them has a different profession, i.e., teacher, mechanic, chartered accountant, and tailor. Can we deduce whether B is the chartered accountant or not?

- I.** Within the family, there exists a couple with two children and the teacher is not the husband of chartered accountant.
- II.** A, the tailor is the brother of mechanic C. B and C belong to the same gender while A and B belong to different genders.

**[a]** If the question can be answered using (I) statement alone.

**[b]** If the question can be answered using (II) statement alone.

**[c]** If the question can be answered using either statement alone.

**[d]** If the question can be answered using (I) and (II) together.

**[e]** If the question cannot be answered even using (I) and (II) together.

**Answer – D**



**Q.13) There were four persons A, B, C and D who worked in four different offices of companies - Apple, Google, Microsoft and Amazon - need not be in this specific order. Each of them belongs to a different profession among a Programmer, a Marketer, an Accountant and a Designer.**

**If the accountant worked at Apple, which company did D work for, and what was D's profession?**

- I. Amazon employed A, who is a marketer, and B is not employed in Apple or Google.**
- II. Apple was the workplace of C and B did not work as a Designer.**

**[a] If the question can be answered using (I) statement alone.**

**[b] If the question can be answered using (II) statement alone.**

**[c] If the question can be answered using either statement alone.**

**[d] If the question can be answered using (I) and (II) together.**

**[e] If the question cannot be answered even using (I) and (II) together.**

**Answer – D**



**Q.14)** In a hockey tournament, there were seven goalkeepers identified as B to H, each having a varying number of goals saved. Is it possible to ascertain whether the number of goals saved by goalkeeper F exceeded the number saved by goalkeeper C?

- I. Among the goalkeepers, G had a higher number of goals saved compared to only two other goalkeepers. B had a greater number of goals saved than D, who ranked third in terms of goal-saving performance. F saved fewer goals than D but surpassed G in the number of goals saved.
- II. C had a greater number of goals saved than E but fewer than D. G had a higher number of goals saved than C. B did not hold the top position as the highest goal saver.
- III. H had a greater number of goals saved than D. B's tally of saved goals was lower than only one other goalkeeper. F outperformed both G and E in the number of goals saved.

- [a] If the data in statement I and II together is sufficient.
- [b] If the data in statement II and III together is sufficient.
- [c] If the data in any two of the three statements is sufficient.
- [d] If the data in all the statements together is not sufficient.
- [e] If the data in all the statements together is necessary.

**Answer – C**



**Q.15) How many subjects are taught between the subjects Music and Art in a school where seven subjects, namely SST, Music, Maths, Science, Art, GK, and Computer, are taught on seven consecutive days of the week starting from Monday?**

- I. Only two subjects were taught before Computer, which is taught just before Art. SST was neither the first nor the last subject to be taught. Science was taught on Saturday.**
- II. Music was not the last subject to be taught. Art was taught before GK. SST was not the first subject to be taught.**
- III. Art and GK were taught at a gap of one day. Science was taught immediately before Maths. Computer was taught on Wednesday.**

- [a] If the data in statement I and III together is sufficient.**
- [b] If the data in statement II and III together is sufficient.**
- [c] If the data in all the statements together is necessary.**
- [d] If the data in all the statements together is not sufficient.**
- [e] If the data in any two of the three statements is sufficient.**

**Answer – A**



**Q.16) All apricots are not grapes. All grapes are coconut.**

**All coconuts are sweet.**

**Is A sweet?**

**I. A is an apricot.**

**II. A is not an apricot.**

**[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**

**[e] If the data in both statements I and II together are necessary to answer the question.**

**Answer – D**



**Q.17)** Among five friends Aman, Bablu, Chetan, Dheeraj and Ena each studying in a different standard viz. 3<sup>rd</sup>, 6<sup>th</sup>, 9<sup>th</sup>, 10<sup>th</sup> and 12<sup>th</sup>.

**In which standard does Chetan study?**

**(‘Junior’ in the statements implies a lower standard and ‘senior’, higher standard)**

- I. Bablu studies in a standard which is an odd number. Chetan is Bablu’s senior but does not study in 12<sup>th</sup> standard.**
- II. Only three persons are senior to Aman. Bablu is senior to Aman but junior to Chetan.**

- [a] If data in I alone is sufficient**
- [b] If data in II alone is sufficient**
- [c] If data either in I alone or II alone is sufficient**
- [d] If data given in both I and II together is not sufficient**
- [e] If data in both I and II together is necessary**

**Answer – E**



**Q.18) How many persons are there in the row if all of them are facing North?**

- I. Pawan who is twelfth from the left end is 8<sup>th</sup> to the right of Qureshi who is 16<sup>th</sup> from Hansa.**
- II. Ram is seventh to the left of Shivam 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**

**[b] If the data in statement II alone are 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.**

**Answer – B**



**Q.19) There are five coffee manufacturing companies: X, Y, Z, P, and Q.**

- I. Company Y produces more coffee than Company X but less coffee than Company Q.**
- II. Company Z produces more coffee than Company Y but less coffee than Company P.**
- III. Company P produces more coffee than Company Q.**

**What is the order of coffee production (from highest to lowest) among these companies?**

- [a] Any two statements together are sufficient.**
- [b] Either statement (I) and statement (II) together or statement (III) are statement**
- [c] None is sufficient.**
- [d] Statement (I) and Statement (II) together are sufficient.**
- [e] All the statement (I), statement (II) and statement (III) together are sufficient.**

**Answer – C**



**Q.20) Unless Kohli loses the toss, team India selects to ball first. If team India selects to ball first, Rinku Singh opens the innings. If Rinku Singh opens the innings, team India sets a target of more than 310 runs.**

**Did Kohli win the toss?**

- I. Team India has set a target of 310 runs.**
- II. Rinku Singh did not open the innings.**

**[a] If the question can be answered using (I) statement alone.**

**[b] If the question can be answered using (II) statement alone.**

**[c] If the question can be answered using either statement alone.**

**[d] If the question can be answered using (I) and (II) together.**

**[e] If the question cannot be answered even using (I) and (II) together.**

**Answer – C**

