

CAT 2025 DILR Question Paper PDF (November 30, 2025) (Shift 2)

Instructions [Questions 1 - 5]

Ananya Raga, Bhaskar Tala, Charu Veena, and Devendra Sur are four musicians. Each of them started and completed their training as students under each of three Gurus — Pandit Meghnath, Ustad Samiran, and Acharya Raghunath between 2013 and 2024, including both the years. Each Guru trains any student for consecutive years only, for a span of 2, 3, or 4 years, with each Guru having a different span. During some of these years, a student may not have trained under these Gurus; however, they never trained under multiple Gurus in the same year. In none of these years, any of these Gurus trained more than two of these students at the same time. When two students train under the same Guru at the same time, they are referred to as Gurubhai, irrespective of their gender.

The following additional facts are known.

1. Ustad Samiran never trained more than one of these students in the same year.
2. Acharya Raghunath did not train any of these students during 2015-2018, as well as during 2021-2024.
3. Ananya and Devendra were never Gurubhai; neither were Bhaskar and Charu. All other pairs of musicians were Gurubhai for exactly 2 years.
4. In 2013, Ananya and Bhaskar started their trainings under Pandit Meghnath and under Ustad Samiran, respectively.

1. In which of the following years were Ananya and Bhaskar Gurubhai?

A. 2020 B. 2018 C. 2021 D. 2014

2. In which year did Charu begin her training under Pandit Meghnath?

A. 2017 B. 2015 C. 2021 D. 2016

3. In which of the following years were Bhaskar and Devendra Gurubhai?

A. 2022 B. 2015 C. 2020 D. 2018

4. Which of the following statements is TRUE?

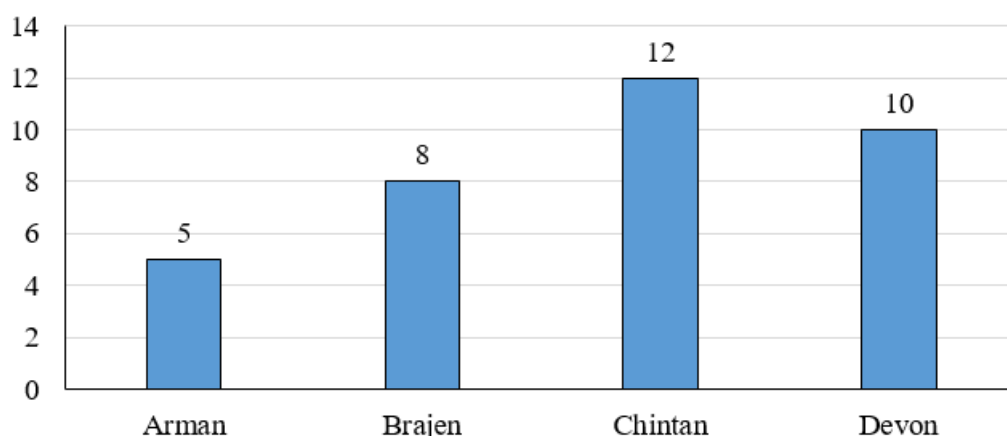
- A. Charu was training under Ustad Samiran in 2018.
B. Ananya was training under Ustad Samiran in 2015.
C. Ananya was training under Ustad Samiran in 2018.
D. Charu was training under Ustad Samiran in 2019.

5. In how many of the years between 2013-24, were only two of these four musicians training under these three Gurus?

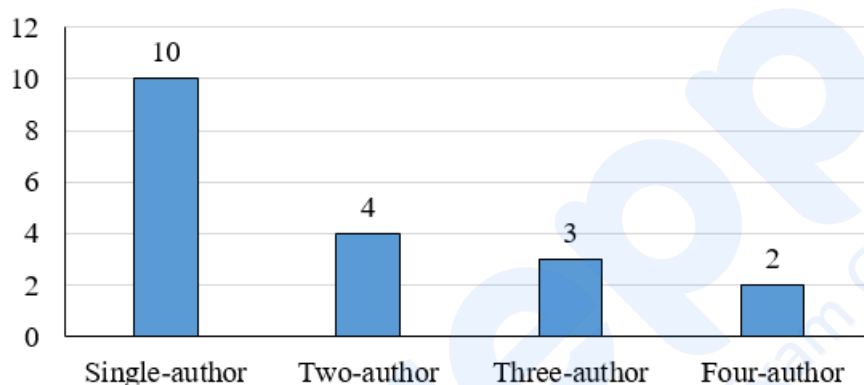
Instructions [Questions 6 - 9]

The following charts depict details of research papers written by four authors, Arman, Brajen, Chintan, and Devon. The papers were of four types, single-author, two-author, three-author, and four-author.

Number of papers by each author



Number of papers by type



Additional facts:

1. Each of the authors wrote at least one of each of the four types of papers.
2. The four authors wrote different numbers of single-author papers.
3. Both Chintan and Devon wrote more three-author papers than Brajen.
4. The number of single-author and two-author papers written by Brajen were the same.

6. What was the total number of two-author and three-author papers written by Brajen?

7. Which of the following statements is/are NECESSARILY true?

- i. Chintan wrote exactly three two-author papers.
 - ii. Chintan wrote more single-author papers than Devon.
- A. Neither i nor ii B. Only i C. Only ii D. Both i and ii

8. Which of the following statements is/are NECESSARILY true?

- i. Arman wrote three-author papers only with Chintan and Devon.
 - ii. Brajen wrote three-author papers only with Chintan and Devon.
- A. Only ii B. Both i and ii C. Only i D. Neither i or ii

9. If Devon wrote more than one two-author papers, then how many two-author papers did Chintan write?

Instructions [Questions 10 - 13]

There are six spherical balls, B1, B2, B3, B4, B5, and B6, and four circular hoops H1, H2, H3, and H4. Each ball was tested on each hoop once. If the diameter of a ball is not larger than the diameter of the hoop, the ball passes through the hoop and makes a “ping”. Any ball having a diameter larger than that of the hoop does not make a ping.

The following additional information is known:

1. B1 and B6 each made a ping on H4, but B5 did not.
2. B4 made a ping on H3, but B1 did not.
3. All balls, except B3, made pings on H1.
4. None of the balls, except B2, made a ping on H2.

10. What was the total number of pings made by B1, B2, and B3?

11. Which of the following statements about the relative sizes of the balls is NOT NECESSARILY true?

- A. $B4 < B5 < B3$
- B. $B2 < B1 < B5$
- C. $B1 < B6 < B3$
- D. $B1 < B5 < B3$

12. Which of the following statements about the relative sizes of the hoops is true?

- A. $H2 < H3 < H4 < H1$
- B. $H1 < H3 < H4 < H2$
- C. $H1 < H4 < H3 < H2$
- D. $H2 < H4 < H3 < H1$

13. What BEST can be said about the total number of pings from all the tests undertaken?

- A. 12 or 13 B. 13 or 14 C. 12 or 13 or 14 D. At least 9
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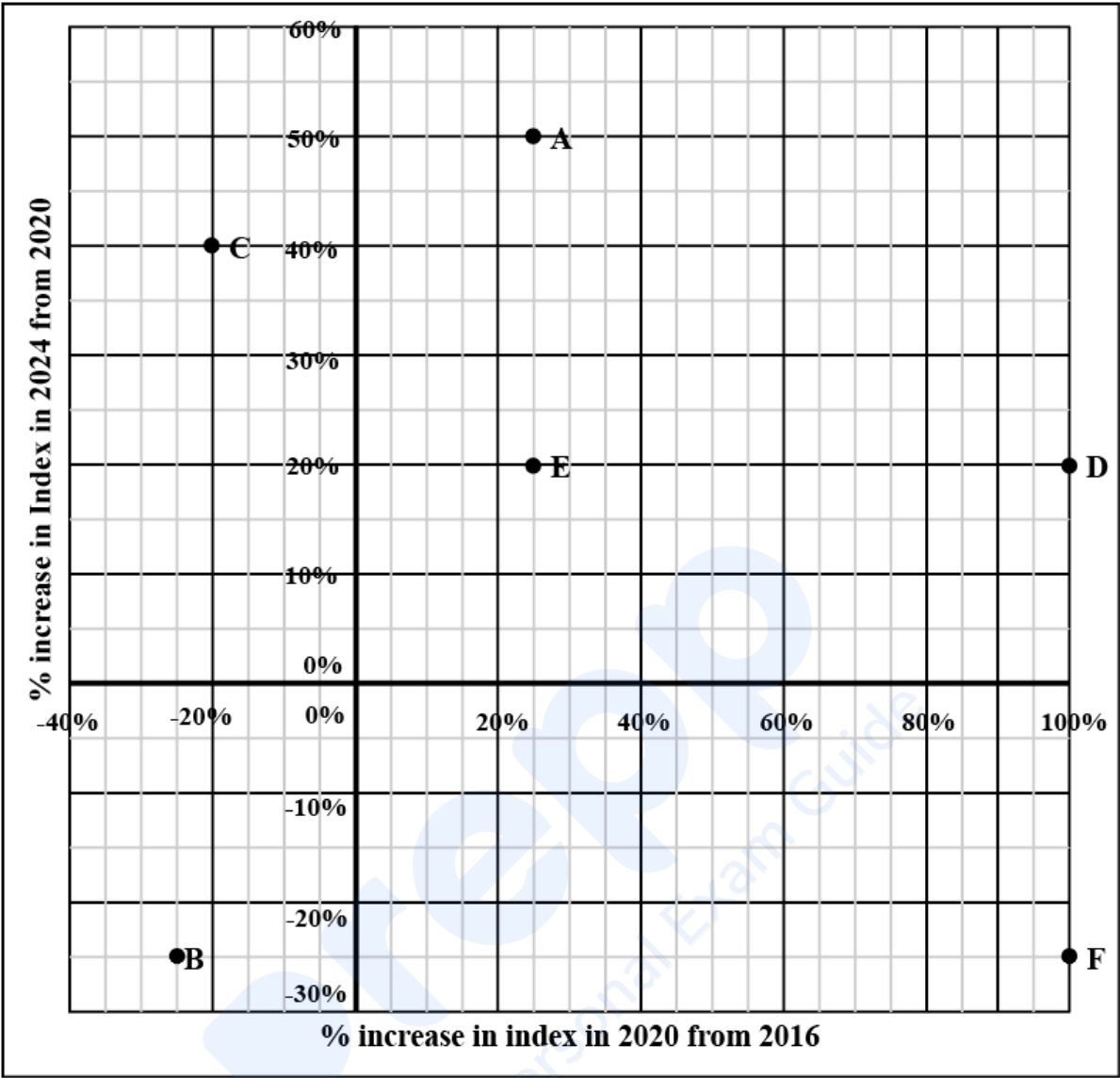
Instructions [Questions 14 - 17]

The Sustainability Index (SI) of a country is an integer between 1 and 100. SI of six countries - A, B, C, D, E, and F - at three points: 2016, 2020, and 2024.

The plot represents changes: X-axis = % increase in 2020 from 2016. Y-axis = % increase in 2024 from 2020.

Additional facts:

1. In 2016, B, C, E, and A had ranks 1, 2, 3, and 4 respectively.
2. F had lower SI than any other country in 2016, 2020, and 2024.
3. In 2024, E was the only country with SI of 90.
4. The range of SI was 60 in 2016 as well as in 2024.



14. What was the SI of E in 2016?
15. What was the SI of F in 2020?
16. What was the SI of C in 2024?
17. What was the SI of B in 2024?
- A. 60 B. 54 C. 80 D. 45

Instructions [Questions 18 - 22]

Pollution Measures (PMs) for two populous cities and the non-urban region (NUR) of Whimshire, Foggia, and Humbleset. Nine PMs are distinct multiples of 10 (10 to 90). Cities in increasing order of PMs: Blusterburg, Noodleton, Splutterville, Quackford, Mumpypore, Zingaloo.

Pollution Index (PI) = 50% for NUR, 25% each for its two cities.

One pair of NUR and city where NUR PM > City PM; both belong to Humbleset.

PIs are distinct integers; Humbleset highest, Foggia lowest.

18. What is the PI of Whimshire?

19. What is the PI of Foggia?

20. What is the PI of Humbleset?

21. Which pair of cities definitely belong to the same state?

A. Mumpypore, Zingaloo B. Splutterville, Quackford C. Blusterburg, Mumpypore D. Noodleton, Quackford

22. For how many of the cities and NURs is it possible to identify their PM and the state they belong to?
