

Mock Test 7

Logical Reasoning & Data Interpretation LRDI Set-7

SET 1:

The director of XYZ University has invited **7 gold medalist students** — Kajal, Laila, Majnu, Naina, Pabna, Rajni, and Sabnam — from different branches to sit at a **round table** for lunch. Unfortunately, the director could not attend the lunch due to emergency circumstances.

The seven gold medalists are from **different departments** — Civil, Mechanical, Computer, Electronics, Electrical, Chemical, and Information Technology — not necessarily in the same order. They also belong to different places in **North India** (Rajasthan, Gujarat, Punjab, Delhi) and **South India** (Telangana, Karnataka, Kerala), not necessarily in the same order.

The following clues are provided:

1. The student from the **Chemical department** is seated on the immediate **right of Rajni**. **Majnu and Sabnam** are seated together.
2. The student from **Kerala** is seated on the immediate **left of Pabna**, who is in the **Civil department**. The student in the **Mechanical department** sits **second to the right of Kajal**.
3. **Laila**, a student in the **Electrical department**, sits adjacent to **Naina**, who is in the **Information Technology department** and belongs to **South India**.
4. There is only **one student** between the student from **Kerala** and **Rajni**, who is in the **Mechanical department**. The student from **Delhi** is in the **Electronics department**, and he sits **between** the student from the **Chemical department** and the student from **Telangana**.
5. The student from **Punjab** sits **adjacent** to the person from **Kerala**. The student in the **Electrical department** is either from **Telangana** or from **Kerala**.

Question 1

How many possible valid seating arrangements are there?

- A) 1
- B) 2
- C) 4
- D) 6

Question 2

Which of the following places does **Naina** belong to?

- A) Telangana
 - B) Kerala
 - C) Karnataka
 - D) Can't be determined
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Question 3

How many of the following statements are definitely incorrect?

Statement I: Majnu sits on the immediate right of Laila.

Statement II: Either 2 or 3 students are sitting between Naina and Pabna.

Statement III: Laila belongs to Gujarat.

- A) 0
 - B) 1
 - C) 2
 - D) 3
-

Question 4

For how many students can their **department** be uniquely determined?

- A) 3
 - B) 4
 - C) 5
 - D) 6
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Question 5

Which of the following places does **Majnu** belong to?

- A) Rajasthan
 - B) Gujarat
 - C) Delhi
 - D) Can't be determined
-

SET 2:

In an intense competition to secure a spot on the coveted hot seat of the popular game show “**Kaun Banega Crorepati**”, six participants — **Aman, Bharat, Chandan, Deepak, Ebin, and Farhan** — face a series of **five consecutive questions**

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posed by the host **Amitabh Bachchan**.

Here is a table summarizing the answers provided by each player for the questions:

Players	Question 1	Question 2	Question 3	Question 4	Question 5
Aman	B	C	A	E	D
Bharat	B	E	B	B	D
Chandan	E	C	B	E	A
Deepak	B	C	A	B	D
Ebin	B	B	B	E	D
Farhan	E	B	B	E	A

Additionally, the following table presents the time taken (in seconds) by each player to answer each question:

Player	Question 1	Question 2	Question 3	Question 4	Question 5
Aman	2	3	5	4	5
Bharat	3	5	8	9	7
Chandan	6	4	7	3	4
Deepak	4	6	6	6	8
Ebin	8	1	2	7	3
Farhan	1	2	4	8	6

Each participant is shown one question at a time and must select their answer from **options A to E**.

Scoring Rules:

1. **Only correct answers** earn points. Incorrect or unanswered questions receive **zero marks**.
2. The **first** correct answer gets **5 points**, the **second** gets **4**, and so on.
3. If **fewer participants** answer correctly, they receive the top available scores, and the rest receive zero.
4. Each participant answered a **unique number of questions correctly**.
5. Participants are **ranked by time** taken to answer correctly — faster responses receive better ranks.
6. The participant with the **highest total score** moves to the **hot seat**.

Question 6

What is the **average time per question** taken by the player who answered **all five questions correctly**?

- A) 3.8 seconds
- B) 6.4 seconds
- C) 6 seconds
- D) 4.8 seconds

Question 7

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What is the **total score** of the player who received **Rank 3** the **maximum number of times**?

- A) 18
 - B) 17
 - C) 16
 - D) 15
-

Question 8

If **Question 5** is **removed** from the competition, what is the **combined score** (from Q1 to Q4) of **Bharat** and **Ebin**?

- A) 9
 - B) 10
 - C) 11
 - D) 12
-

Question 9

If **Question 5** is removed from the competition, what is the **combined score** (from Q1 to Q4) of **Bharat** and **Ebin**?

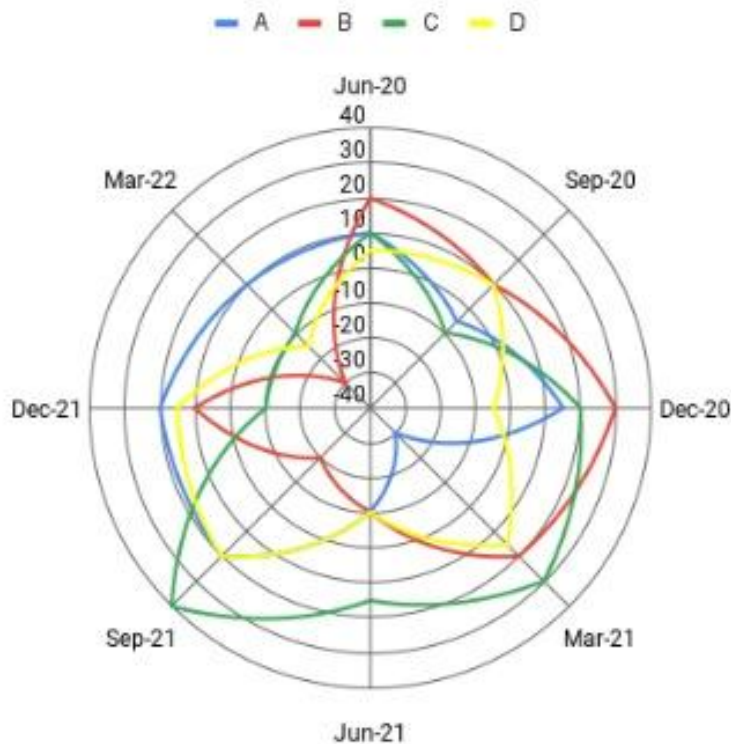
- A) 9
 - B) 10
 - C) 11
 - D) 12
-

Here is your **formatted Logical Reasoning & Data Interpretation Question Paper (Questions 10–22)** with all passages and questions **cleanly structured without the answers**.

SET 3: (Questions 10–13)

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The following graph represents the percentage change in stock prices of 4 stocks - A, B, C and D at the end of each quarter with respect to the price at the end of previous quarter for the financial years 2020 and 2021.



Question 10

Which stock showed the highest percentage growth in 2021?

- A) A
- B) B
- C) C
- D) D

Question 11

At the end of December 2020, the price of stock A was **twice** that of stock B. Find the **ratio of their prices** at the end of June 2021.

- A) 1:2
- B) 29:28
- C) 7:12
- D) 7:6

Question 12

Atharva invested ₹1,00,00,000 in stock **D** in the beginning of **April 2020** and sold it after one year. He had to pay **12% of his profits as taxes** and **0.15% of profits as brokerage**. Approximately, what is the **profit percentage** gained by Atharva **after taxes and brokerages**?

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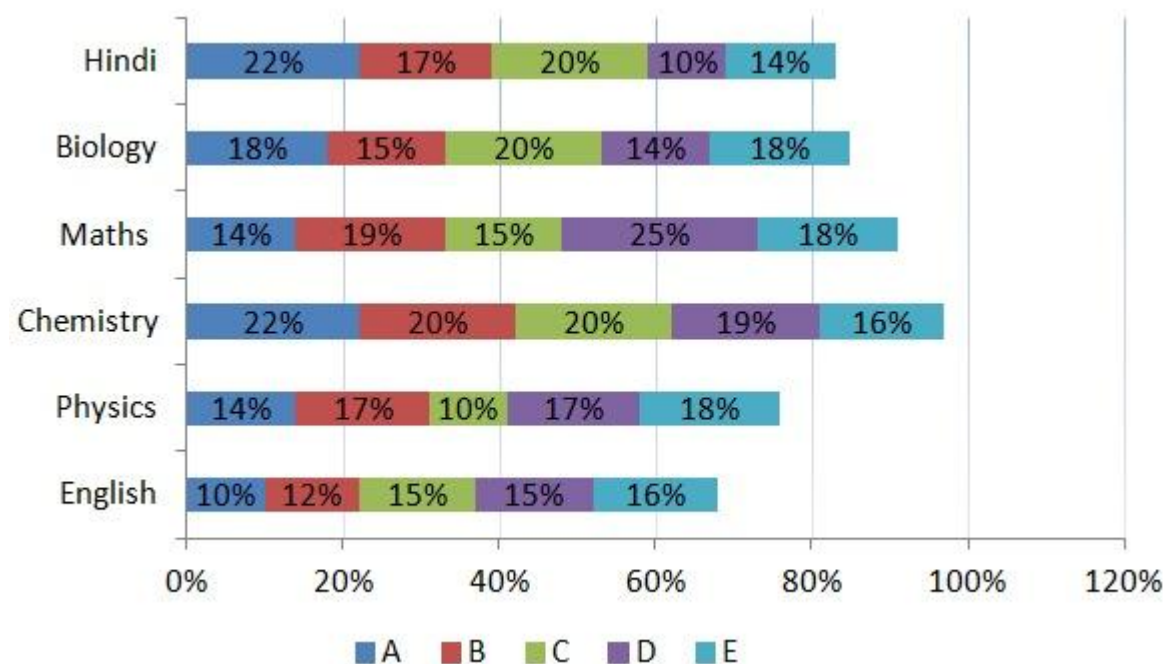
- A) 17%
- B) 19%
- C) 25%
- D) 23%

Question 13

Kalyan borrowed a certain amount at **10.2% compound interest** (compounded annually) for **2 years** at the beginning of April 2020 and invested it in stock **C**. At the end of March 2022, he sold the stock and repaid his debt. Approximately, what is the **profit percentage** gained by Kalyan over the amount he had borrowed?

- A) 75%
- B) 80%
- C) 85%
- D) 60%

SET 4: (Questions 14–17)



Five students — **A, B, C, D, and E** — appeared for an exam. The **marks obtained in each of six subjects** are represented by **percentage charts**.

- Each subject carries **100 marks**.
- The chart shows the **percentage of total marks** obtained in each subject.
- The **marks in each subject are integers**.

Question 14

What can be the **maximum total marks** scored by any one of A, B, C, D, and E?

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- A) 550
 - B) 500
 - C) 600
 - D) 450
-

Question 15

The **total marks scored by C** is at most:

- A) 450
 - B) 480
 - C) 500
 - D) 550
-

Question 16

If the total marks scored by each of them is **maximum possible**, then who scored the **maximum marks in Mathematics**?

- A) B
 - B) D
 - C) C
 - D) A
-

Question 17

If **E scored the highest** in Mathematics, then his total score in all six subjects put together is **more than at least how many students**?

- A) 1
 - B) 2
 - C) 3
 - D) 4
-

SET 5: Clinic Visit Puzzle (Questions 18–22)

Dr. Asthana visits **five different clinics** — **Apoorva, Smriti, Jyoti, Basudha, and Krishna** — in **Telangana**, from **Monday to Friday**.

Each day, in every clinic, the number of patients is **either 8, 9, or 10**.

The following information is available:

1. The **total number of patients** who visited the clinics during five days is:
 - Apoorva: 48
 - Smriti: 47
 - Jyoti: 42
 - Basudha: 41

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- Krishna: 49
 - 2. On **Tuesday**, **Krishna Clinic** had **10 patients**.
 - The total number of patients on **Wednesday** was **two more** than Tuesday.
 - 3. On **Monday**, each clinic had at most **9 patients**.
 - Every day, **Krishna Clinic** had **more patients** than **Basudha Clinic**.
 - 4. The **total number of patients** visiting **all clinics** kept **increasing from Monday to Friday**.
-

Question 18

How many days did **Apoorva Clinic** and **Smriti Clinic** record the **same number of patient visits**?

- A) 1
 - B) 4
 - C) 3
 - D) 2
-

Question 19

Which of the following statements is **definitely true**?

- A) The number of patients who visited **Jyoti Clinic on Friday** is 9.
 - B) The number of patients who visited **Basudha Clinic on Thursday** is 9.
 - C) The number of patients who visited **Smriti Clinic on Monday** is 8.
 - D) The number of patients who visited **Apoorva Clinic on Thursday** is 9.
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Question 20

What is the **number of patients who visited the clinics on Wednesday**?

Question 21

What is the **sum of the number of patients** visiting **Jyoti Clinic on Tuesday and Wednesday**?

- A) 16
 - B) 17
 - C) 18
 - D) 19
-

Question 22

What is the **number of patients who visited the clinics on Thursday**?

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Answer Key

1. (b)
2. (a)
3. (d)
4. (c)
5. (a)
6. (d)
7. (b)
8. (c)
9. (a)
10. (c)
11. (d)
12. (d)
13. (b)
14. (a)
15. (c)
16. (b)
17. (b)
18. (b)
19. (c)
20. 46
21. (a)
22. 47