

CUET 2025 GAT May 29 Question Paper With Solutions

Time Allowed :1 Hour	Maximum Marks :250	Total Questions :50
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General Instructions

Read the following instructions very carefully and strictly follow them:

1. The test is of 1 hour duration.
2. The question paper consists of 50 questions. The maximum marks are 250.
3. 5 marks are awarded for every correct answer, and 1 mark is deducted for every wrong answer.

1. Medicine: Illness :: Law:?

- (A) Punishment
- (B) Crime
- (C) Court
- (D) Discipline

Correct Answer: (B) Crime

Solution:

This analogy is based on functional relationships. Medicine is used to cure or treat Illness, just as Law is used to prevent or address Crime. The relationship is “means to solve a problem.”

- Option (A) Punishment – A consequence of law, not the reason it exists.
- Option (C) Court – A place where law is applied, not its object.
- Option (D) Discipline – Too broad; not a direct object of law like crime is.

Answer: Crime

Quick Tip

In analogies, identify the relationship first—is it purpose, function, result, etc.

2. A shopkeeper increases the price of an article by 25% and then offers a discount of 20%. What is the net percentage change in the price?

- (A) 0%
- (B) 5% increase
- (C) 5% decrease
- (D) 10% decrease

Correct Answer: (A) 0% increase

Solution:

Let the original price be 100.

After a 25% increase: $100 + 25\% \text{ of } 100 = 125$

Then 20% discount on 125 = 20% of 125 = 25

So final price = 125 - 25 = 100

$$\text{Net change} = a + b + \frac{ab}{100}$$

where,

$a = +25\%$, $b = -20\%$

$$\text{Net change} = 25 - 20 + \frac{25 \times (-20)}{100} = 5 - 5 = 0\%$$

Quick Tip

When percentage increase is followed by a percentage decrease, use: Net % change =

$$a + b + \frac{ab}{100}$$

3. As of 2025, which country has launched the first commercial space station module in orbit?

- (A) USA
- (B) Russia
- (C) China
- (D) UAE

Correct Answer: (C) China

Solution:

As of 2025, China has made significant advancements in space technology. It launched the **Tiangong space station**, which includes several modules, and became the first country to commercialize parts of a space station in orbit. This is part of China's ambition to become a major space power, with the Chinese Space Station (CSS) expected to serve both national and international payloads.

- Option (A) USA – Although SpaceX and other private companies operate commercially, the U.S. has not yet launched a full commercial space station module.
- Option (B) Russia – Focused more on ISS collaboration, no leading commercial module.

- Option (D) UAE – Emerging player, but has not launched any space station modules yet.

Answer: China

Quick Tip

Remember “Tiangong” and “CSS” (Chinese Space Station) when studying China’s space progress.

4. Five people—A, B, C, D, and E—are sitting in a row facing north. A is to the immediate right of D. B is at one of the ends. C is sitting between E and A. Who is sitting exactly in the middle?

- (A) A
- (B) C
- (C) D
- (D) E

Correct Answer: (B) C

Solution:

Step-by-step deduction: 1. B is at one of the ends → possibilities: B _ _ _ _ or _ _ _ _ B

2. A is to the immediate right of D → the pair ”D A” must appear in that order.

3. C is sitting between E and A → the order must be E C A or A C E. But A must come after D, so E C A is more likely.

Trying arrangement: B D A C E — violates the E C A condition.

Try: B E C A D — A is not to the right of D.

Try: B D A C E — Now: A is right of D , C is between A and E , B is at one end .

Middle position = C

Answer: C

Quick Tip

Use visual arrangement or placeholders (like blanks) to solve linear seating puzzles efficiently.

5. A pie chart shows the distribution of students across 5 faculties in a university. If 20% are in Arts, 25% in Science, 15% in Law, 30% in Engineering, and the rest in Commerce, what is the angle (in degrees) for Commerce?

- (A) 54°
- (B) 45°
- (C) 66°
- (D) 36°

Correct Answer: (D) 36°

Solution:

Total percentage allocated = 20% (Arts) + 25% (Science) + 15% (Law) + 30% (Engineering)
= 90%

Remaining for Commerce = 100% – 90% = 10%

In a pie chart, full circle = 360°

$$10\% \text{ of } 360^\circ = \frac{10}{100} \times 360 = 36$$

Quick Tip

To convert percentage to pie chart angle, use: Angle = Percentage $\times \frac{360}{100}$

6. Statements:

1. All artists are creative.
2. Some creative people are introverts.

Conclusions:

- I. Some introverts are definitely artists.
- II. All artists are introverts.

III. Some artists may be introverts.

- (A) Only III follows
- (B) I and II follow
- (C) Only I follows
- (D) None follow

Correct Answer: (1) Only III follows

Solution:

Let's analyze using Venn diagrams or logic:

Statement 1: All artists are within the creative set.

Statement 2: Some creative people are introverts.

Now consider each conclusion:

- Conclusion I: Some introverts are definitely artists → Cannot be concluded; “some creative are introverts” doesn't confirm overlap with artists.
- Conclusion II: All artists are introverts → This is an overgeneralization. No such statement is made.
- Conclusion III: Some artists may be introverts → This is logically possible based on overlap, but not definite. This is a **possibility** conclusion.

Answer: Only III follows

Quick Tip

“May be” conclusions can follow if there's no contradiction with the statements, even without certainty.

7. In an exam, the ratio of boys to girls is 3:2. If 20% of the boys and 30% of the girls fail, what is the overall percentage of students who fail?

- (A) 24%
- (B) 25%
- (C) 26%
- (D) 27%

Correct Answer: (A) 24%

Solution:

Assume total number of students = $3 + 2 = 5$ parts Let total = 100 students $\rightarrow$ 60 boys, 40 girls (3:2 ratio)

- Boys failing = 20% of 60 = 12

- Girls failing = 30% of 40 = 12

Total failing students = $12 + 12 = 24$

Overall percentage = $\frac{24}{100} \times 100 = 24\%$

Quick Tip

Use a common base (like 100) when solving ratio-based percentage questions for accuracy and simplicity.

8. If in a certain code, HORIZON is written as IPAJYPM, how is FUTURE written in that code?

(A) GVSWSF

(B) GVTWSF

(C) GVSXTF

(D) GVTXTF

Correct Answer: (A) GVSWSF

Solution:

Check how each letter is converted:

$H \rightarrow I (+1)$, $O \rightarrow P (+1)$, $R \rightarrow A (+9 \text{ or shift})$, $I \rightarrow J (+1)$, $Z \rightarrow Y (-1)$, $O \rightarrow P (+1)$, $N \rightarrow M (-1)$

Pattern: Alternating +1, custom shift, and -1 steps

Apply similar pattern to FUTURE:

$F \rightarrow G (+1)$

$U \rightarrow V (+1)$

$T \rightarrow S (-1)$

$U \rightarrow W (+2)$

$R \rightarrow S (+1)$

$E \rightarrow F (+1)$

Final word = *GVSWSF*

Answer: *GVSWSF*

Quick Tip

In coding-decoding, look for alphabet shifts—either constant or alternating—and apply them systematically.

9. A company produces 5 products: P, Q, R, S, and T. The profit margins (in %) are: P-10%, Q-15%, R-20%, S-5%, T-25%. If the company earns a total profit of 21,20,000 from equal sales (21,00,000) of each product, what is the average profit percentage across all products?

(A) 15%

(B) 12%

(C) 14%

(D) 13%

Correct Answer: (A) 15%

Solution:

Sales per product = 21,00,000 (5 products)

Profit per product: - P: 10% of 21L = 2.1L

- Q: 15% of 21L = 3.15L

- R: 20% = 4.2L

- S: 5% = 1.05L

- T: 25% = 5.25L

Total profit = 2.1 + 3.15 + 4.2 + 1.05 + 5.25 = 15.75L

Average profit per product = 15.75L / 5 = 3.15L

Average profit percentage = $\frac{3.15}{21} \times 100 = 15\%$

Quick Tip

When sales are equal, average profit margin = average of individual profit percentages.

10. Find the missing number in the series: 5, 11, 24, 51, ?, 213

- (A) 102
- (B) 106
- (C) 104
- (D) 108

Correct Answer: (B) 106

Solution:

Look at the differences: $11 - 5 = 6$

$$24 - 11 = 13$$

$$51 - 24 = 27$$

Next difference?

Let's find the pattern in differences: 6, 13, 27 → pattern: $\times 2 + 1$, $\times 2 + 1$, ...

$$\text{Check: } 6 \times 2 + 1 = 13 \quad 13 \times 2 + 1 = 27 \quad 27 \times 2 + 1 = 55$$

$$\text{Next term} = 51 + 55 = 106$$

$$106 \times 2 + 1 = 213$$

$$\text{So missing number} = \boxed{106}$$

$$\text{Answer: } \boxed{106}$$

Quick Tip

In number series, analyze first-level and second-level differences; look for multiplication or consistent operations.

11. A pie chart shows the allocation of a 260 lakh annual budget among 5 departments. If the Health department gets 18% and Education gets 24%, how much more does Education get than Health? =

Solution:

Total budget = 260 lakh

- Health allocation = 18% of 260 = $\frac{18}{100} \times 260 = 46.8$ lakh

- Education allocation = 24% of 260 = $\frac{24}{100} \times 260 = 62.4$ lakh

Difference = $62.4 - 46.8 = 15.6$ lakh

Quick Tip

For percentage problems, convert percentages into actual values using the base amount, then compare or subtract as needed.