

CLAT Community

daily
QT

SECTIONAL TEST

135

DAYS TO GO FOR
CLAT 2027



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OUR RANKERS

1 in every 4 of CLAT Community's students
are now placed in Top 5 NLU's.



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SHEIKH EHSAN KHALEELULLAH



HRISHIT PODDAR



ROHAN YADAV



TEJAS ROY



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PRANAV. S

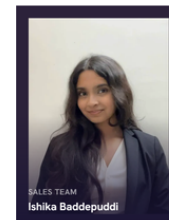
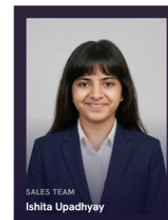
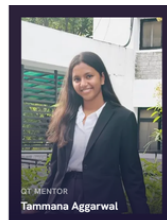
AND
MANY
MORE.

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OUR COURSES



OUR MENTORS



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MENTORS' NOTE

Good morning everyone,

If you're reading this, you're already doing something that thousands of CLAT aspirants never do—you've shown up today. That might sound like a small thing, but over the next few months you'll realise that success in CLAT is rarely decided by one brilliant mock or one 12-hour study session. It's decided by the hundreds of ordinary days where you choose to sit down and study even when you don't feel like it.

The entire CLAT Community team is rooting for you. Whenever you're stuck, ask doubts, discuss questions, and make use of the people around you. You don't have to prepare alone. We hope today's material helps you take one more step towards your dream.

Now stop reading this note and get to work. Your future self will thank you for the effort you put in today.

All the best.

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QUANTITATIVE APTITUDE

Passage I

Metro Retail Analytics tracks the performance of its stores across the city, publishing monthly reports on sales growth, discounts, and staffing. Store managers frequently compare current figures against previous months or years, and the finance team studies how price changes, employee turnover, and repeat purchases affect overall revenue. Because many pricing decisions involve successive discounts, tax additions, or year-on-year growth figures, the analytics team expresses most changes in percentage terms so that stores of different sizes can be compared fairly. Some reports also track pass or attrition rates among staff completing training programmes. Study the following details about this month's sales, discounts, and staffing figures, then answer the questions below.

1. Store A's revenue increased from ₹8,00,000 last month to ₹9,20,000 this month. Find the percentage increase in revenue.
(A) 12%
(B) 15%
(C) 18%
(D) 20%
2. A product priced at ₹1,500 is sold after two successive discounts of 10% and 5%. Find the final selling price.
(A) ₹1,265
(B) ₹1,275
(C) ₹1,282.50
(D) ₹1,290
3. Out of 240 employees at a store, 60% are women. If 25% of the women employees are promoted this month, find the number of women employees promoted.
(A) 30
(B) 33

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(C) 36

(D) 40

4. Store B's revenue was ₹6,00,000 in January. It grew by 20% in February but fell by 10% in March (calculated on February's revenue). Find the revenue in March.

(A) ₹6,30,000

(B) ₹6,48,000

(C) ₹6,60,000

(D) ₹6,75,000

5. After a 20% discount, a jacket is sold for ₹2,400. Find the original marked price of the jacket.

(A) ₹2,880

(B) ₹2,900

(C) ₹3,000

(D) ₹3,200

6. In a training programme last quarter, 80 out of 100 trainees passed, giving a pass rate of 80%. This quarter, 200 trainees enrolled and the pass rate increased by 5 percentage points. Find the number of trainees who passed this quarter.

(A) 160

(B) 165

(C) 170

(D) 175

Passage II

TechNova Cybersecurity assembles specialised project teams and designs secure access codes for its clients' systems. Depending on the nature of an assignment, the firm selects a fixed number of engineers from its talent pool to form a working team, or arranges specific engineers into a sequence for round-the-clock shift coverage. Separately, the firm's access-

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control division generates temporary passcodes for client systems using digits and letters under strict formation rules, and reviews how many valid codes or team combinations are possible under each set of constraints before finalising a rollout. Study the following details about the teams and passcodes being planned this week, then answer the questions below.

7. TechNova needs to select a team of 4 engineers from a pool of 9 available engineers for a client project. Find the number of ways the team can be selected.

- (A) 108
- (B) 120
- (C) 126
- (D) 134

8. For a night-shift rotation, 5 specific engineers must be arranged in a sequence across 5 time slots. Find the number of ways this can be done.

- (A) 100
- (B) 110
- (C) 120
- (D) 125

9. A temporary passcode consists of 4 digits, where each digit can be any number from 0 to 9, and digits may repeat. Find the total number of distinct passcodes possible.

- (A) 5,000
- (B) 9,000
- (C) 10,000
- (D) 1,00,000

10. From a team of 7 engineers, including 2 senior engineers, a project group of 4 must be selected such that at least one senior engineer is included. Find the number of ways to select the group.

- (A) 25

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(B) 28

(C) 30

(D) 32

11. TechNova wants to form a client-facing team consisting of 3 engineers chosen from a group of 6 backend specialists and 2 architects chosen from a group of 4 available architects. Find the total number of ways to form this team.

(A) 100

(B) 110

(C) 120

(D) 130

12. A 5-character passcode is to be formed using the letters A, B, C, D, E, with no letter repeated, such that the passcode begins with either A or B. Find the number of such passcodes possible.

(A) 24

(B) 48

(C) 60

(D) 72

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ANSWER KEY**Q1.**

Increase in revenue = ₹9,20,000 – ₹8,00,000 = ₹1,20,000.

Percentage increase = $(1,20,000/8,00,000) \times 100 = 15\%$.

Answer → (B) 15%

Q2.

After a 10% discount: ₹1,500 × 0.90 = ₹1,350.

After a further 5% discount: ₹1,350 × 0.95 = ₹1,282.50.

Answer → (C) ₹1,282.50

Q3.

Number of women employees = 60% of 240 = 144.

Women promoted = 25% of 144 = 36.

Answer → (C) 36

Q4.

February revenue = ₹6,00,000 × 1.20 = ₹7,20,000.

March revenue = ₹7,20,000 × 0.90 = ₹6,48,000.

Answer → (B) ₹6,48,000

Q5.

Let the marked price be M. After a 20% discount, selling price = 0.80M.

0.80M = ₹2,400 → M = ₹2,400/0.80 = ₹3,000.

Answer → (C) ₹3,000

Q6.

New pass rate = 80% + 5 percentage points = 85%.

Trainees who passed = 85% of 200 = 170.

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Answer → (C) 170

Q7.

Number of ways to select 4 engineers from 9 = ${}^9C_4 = 9!/(4! \times 5!) = 126$.

Answer → (C) 126

Q8.

Number of ways to arrange 5 distinct engineers in 5 slots = $5! = 120$.

Answer → (C) 120

Q9.

Each of the 4 digit positions can independently take any of 10 values (0–9), with repetition allowed.

Total passcodes = $10 \times 10 \times 10 \times 10 = 10,000$.

Answer → (C) 10,000

Q10.

Total ways to select any 4 from 7 engineers = ${}^7C_4 = 35$.

Ways with no senior engineer (selecting all 4 from the remaining 5 engineers) = ${}^5C_4 = 5$.

Ways with at least one senior engineer = $35 - 5 = 30$.

Answer → (C) 30

Q11.

Ways to choose 3 backend specialists from 6 = ${}^6C_3 = 20$.

Ways to choose 2 architects from 4 = ${}^4C_2 = 6$.

Total ways to form the team = $20 \times 6 = 120$.

Answer → (C) 120

Q12.

The first character can be either A or B, giving 2 choices.

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The remaining 4 positions must be filled with the remaining 4 letters, with no repetition, giving $4! = 24$ arrangements.

Total passcodes = $2 \times 24 = 48$.

Answer $\rightarrow$ (B) 48



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