BLOGS

Sectional Test on Quantitative Techniques for CLAT UG [Part 1]

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This sectional test on Quantitative Techniques is designed to help you practice the kind of data interpretation and basic arithmetic questions asked in CLAT UG. The difficulty level is moderate.

Passage-Based Questions (Q1–Q3)

The table below shows the number of students enrolled in five coaching institutes over 3 years:

Institute	2022	2023	2024
A	1200	1350	1500
B	900	1050	1200
C	800	950	950
D	1000	1150	1300
E	700	850	1100

Q1. What is the percentage increase in the total number of students from 2022 to 2024?

A. 28%

B. 30%

C. 31.5%

D. 33%

Q2. Which institute had the highest percentage growth in student enrollment from 2022 to 2024?

A. A

B. B

C. D

D. E

Q3. What is the simplified ratio of the total students in A and B combined to D and E combined in 2024?

A. 3:2

B. 9:8

C. 6:5

D. 27:25

Passage-Based Questions (Q4–Q6)

A student spends 120 hours monthly studying for CLAT. The subject-wise percentage split is:

- Legal Reasoning: 25%
- Logical Reasoning: 20%
- English: 15%
- General Knowledge: 25%
- Maths: 15%

Q4. How many hours are spent on Legal Reasoning and General Knowledge combined?

A. 50 hours

B. 55 hours

C. 60 hours

D. 65 hours

Q5. If the student increases Maths prep time by 50% (others unchanged), what will be the new total study time?

A. 127.5 hours

B. 130 hours

C. 129 hours

D. 135 hours

Q6. What is the angle representing Logical Reasoning in the pie chart?

A. 54°

B. 60°

C. 72°

D. 90°

Standalone Word Problems (Q7–Q10)

Q7. A book is marked at ₹500. It is sold at a 20% discount, and GST at 12% is added to the discounted price. What is the final price paid?

A. ₹476

B. ₹460

C. ₹448

D. ₹528

Q8. A student answers 80% of 25 questions correctly. Each correct answer earns 4 marks and each incorrect answer gets –1. What is the final score?

A. 72

B. 75

C. 76

D. 80

Q9. The ratio of students who passed to those who failed a test is 5:2. If 70 students appeared, how many failed?

A. 15

B. 20

C. 25

D. 30

Q10. A student scores 78, 82, 85, 80, and 75 in five subjects. What is the average score?

A. 78

B. 79

C. 80

D. 81

Answer Key with Explanations

Q	Ans	Explanation
1	C	(6050 – 4600)/4600 × 100 = 31.52% ≈ 31.5%
2	D	Institute E: (1100–700)/700 × 100 = 57.14%

3	B	A+B = 2700, D+E = 2400 → Ratio = 9:8
4	C	25% + 25% = 50% of 120 = 60 hours
5	C	Maths: 18h → 27h (50% increase) → New total = 129h
6	C	Logical: 20% × 360° = 72°
7	C	₹500 → 20% off = ₹400 → +12% GST = ₹448
8	B	20 correct ×4 = 80, 5 wrong ×(–1) = –5 → Total = 75
9	B	5x + 2x = 70 → x = 10 → Failed = 2x = 20
10	C	(78 + 82 + 85 + 80 + 75)/5 = 80