CLAT Community

daily QT

SECTIONAL TEST

26

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 NLUs.



ALL INDIA RANK **15**

SAHER GOLE



ALL INDIA RANK **17**

PARTHIVA SUSHANTH



ALL INDIA RANK **61**

MIHIKA AGGARWAL



ALL INDIA RANK **79**

SUHIT KENDURKAR



ALL INDIA RANK **86**

RIYA CHAUHAN



ALL INDIA RANK **100**

SHEIKH EHSAAN KHALEELULLAH



ALL INDIA RANK **104**

HRISHIT PODDAR



ALL INDIA RANK **137**

ROHAN YADAV



ALL INDIA RANK **146**

TEJAS ROY



ALL INDIA RANK **147**

ANIRUDDH BAJAJ



ALL INDIA RANK **189**

KABIR WADHWANI



ALL INDIA RANK **263**

CANCHI SISTLA AKSHARA



ALL INDIA RANK **319**

SHIVAM TRIPATHI



ALL INDIA RANK **413**

HARDIK GAUTAM



ALL INDIA RANK **NLSIU**

MANYA BHASKAR



ALL INDIA RANK **NLSIU**

NAMASHRITA GOPINATH



ALL INDIA RANK **NLSIU**

RONIL DHASAL



ALL INDIA RANK **NALSAR**

VEDA RAO



ALL INDIA RANK **NLSIU**

SAMANDAR SINGH



ALL INDIA RANK **NALSAR**

GANJI HAINDAVI



ALL INDIA RANK **NALSAR**

SAHISHNA



ALL INDIA RANK **NLSIU**

PRANAV. S

AND MANY MORE.

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OUR COURSES

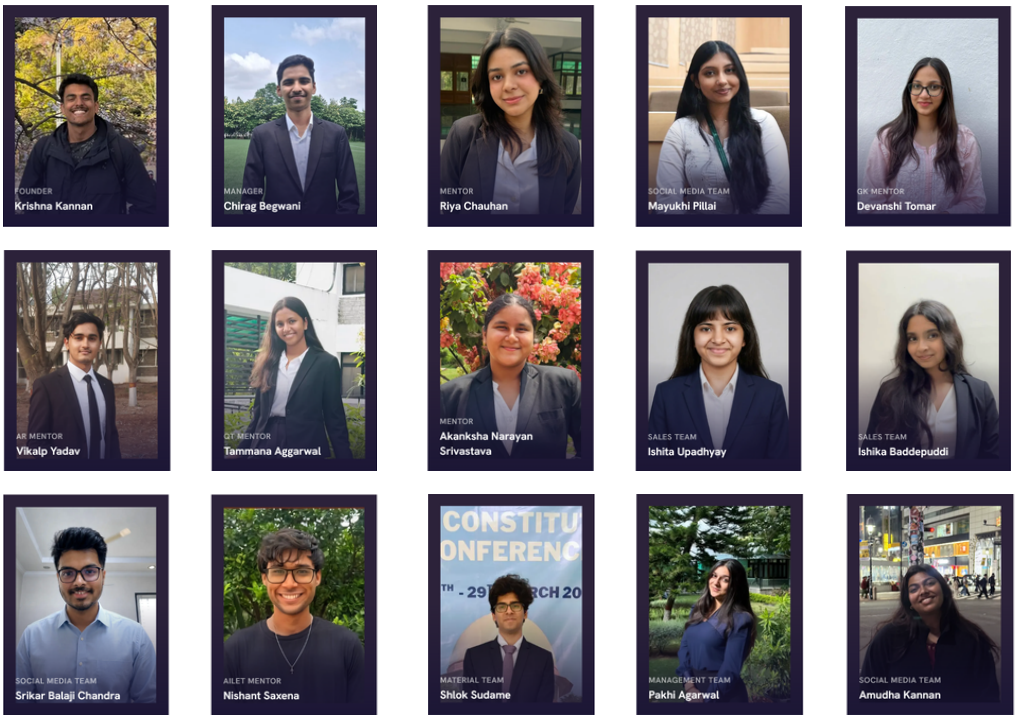








OUR MENTORS



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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DAILY QT

PASSAGE 1 — RIDGEVIEW ACADEMY: COMBINED PERCENTAGES & WEIGHTED RATES

Ridgeview Academy runs a common entrance test for two sections of its senior programme. Section X has 40 students and an overall pass rate of 75%. Section Y has 60 students and an overall pass rate of 60%. The academy's registrar reports results for each section separately, but the scholarship committee wants a single combined figure for the whole cohort. Combining percentages is a common source of error, because a simple average of the two pass rates ignores the different class sizes.

The correct approach is to convert each pass rate into a count of students who passed, add those counts across the sections, and divide by the total number of students. Each section's count is its size multiplied by its pass rate. The committee notes that the same method works for failure rates, since the number of students who failed in a section is its size minus the number who passed. A combined rate can therefore be checked in two ways, which the registrar uses to confirm that the totals agree.

The committee also asks what would happen if the sections were rebalanced, with the larger group moved into the other section, because such a change could alter the overall rate even though the individual section rates stayed the same. Unless stated otherwise, every student takes the test once, no student is counted in both sections, and the pass rates are exact percentages of the enrolled students in each section.

1. The combined pass rate for the whole cohort, from the original sections, is:

(A) 67.5%

(B) 66%

(C) 68%

(D) 64%

2. If Section X had 60 students at a 75% pass rate and Section Y had 40 students at a 60% pass rate, the combined pass rate would be:

(A) 69%

(B) 67.5%

(C) 68%

(D) 66%

3. The number of students who passed across both original sections is:

(A) 60

(B) 62

(C) 66

(D) 70

4. The number of students who failed in Section Y is:

(A) 20

(B) 24

(C) 30

(D) 36

5. The percentage of the whole cohort that failed, from the original sections, is:

(A) 30%

(B) 34%

(C) 36%

(D) 40%

6. Among all students who passed from the original sections, the fraction who came from Section X is:

(A) 1/2

(B) 5/11

(C) 3/8

(D) 6/11

PASSAGE 2 — INTEGER PUZZLES WEEKLY: SUMS OF CONSECUTIVE INTEGERS

Integer Puzzles Weekly publishes problems in which a single whole number is written as a sum of consecutive positive integers. For example, a number may be the sum of a single term, or of two consecutive integers, or of a longer run of consecutive integers starting from some first term. Solvers are asked to count the different ways a number can be written in this form, and to identify the representations with particular numbers of terms.

A useful observation is that a sum of k consecutive positive integers starting from a first term a equals k times a plus k(k − 1)/2. Setting this equal to the target number gives a condition that must hold for the first term to be a positive whole number. The editors use this condition to show how the number of valid representations is linked to the divisors of the target number, and why some numbers can be written in more ways than others.

Readers should note that a representation with a single term counts as a valid way, unless a question says otherwise, and that the terms in a representation must be positive integers. Each question refers to the complete list of representations of the target number that satisfy its stated condition.

7. The number of ways to write 100 as a sum of one or more consecutive positive integers is:

(A) 2

(B) 3

(C) 4

(D) 5

8. The number of ways to write 100 as a sum of at least two consecutive positive integers is:

(A) 1

(B) 2

(C) 3

(D) 4

9. The largest number of consecutive positive integers whose sum is 100 is:

(A) 5

(B) 6

(C) 8

(D) 10

10. The number of ways to write 210 as a sum of one or more consecutive positive integers is:

(A) 6

(B) 7

(C) 8

(D) 9

11. The number of ways to write 210 as a sum of between 3 and 10 consecutive positive integers, inclusive, is:

(A) 3

(B) 4

(C) 5

(D) 6

12. In the representation of 210 as a sum of exactly five consecutive positive integers, the smallest term is:

(A) 36

(B) 38

(C) 40

(D) 42



ANSWER KEY

PASSAGE 1 — RIDGEVIEW ACADEMY (COMBINED PERCENTAGES)

Q1: (B) 66% — Passes: 40 × 0.75 = 30 and 60 × 0.60 = 36. Combined = 66 out of 100.

Q2: (A) 69% — Passes: 60 × 0.75 = 45 and 40 × 0.60 = 24. Combined = 69 out of 100.

Q3: (C) 66 — 30 + 36 = 66.

Q4: (B) 24 — 60 − 36 = 24.

Q5: (B) 34% — 100 − 66 = 34 students failed, which is 34% of 100.

Q6: (B) 5/11 — Section X contributed 30 of the 66 passes, so 30/66 = 5/11.

PASSAGE 2 — INTEGER PUZZLES WEEKLY (CONSECUTIVE SUMS)

Q7: (B) 3 — The representations are 100; 18 + 19 + 20 + 21 + 22; and 9 + 10 + ... + 16.

Q8: (B) 2 — Excluding the single-term representation (100), the other two have at least two terms.

Q9: (C) 8 — The longest representation is 9 + 10 + ... + 16, which has 8 terms.

Q10: (C) 8 — Using k(2a + k − 1) = 420, the valid numbers of terms are k = 1, 3, 4, 5, 7, 12, 15 and 20, giving 8 representations.

Q11: (B) 4 — Among the eight representations, the term counts 3, 4, 5 and 7 lie between 3 and 10.

Q12: (C) 40 — With five terms, the first term is a = (210 − 10)/5 = 40, so the terms are 40 to 44.



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