

CLAT Community

daily QT

SECTIONAL TEST

47

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.



SAHER GOLE



PARTHIVA SUSHANTH



MIHIKA AGGARWAL



SUHIT KENDURKAR



RIYA CHAUHAN



SHEIKH EHSAN KHALEELULLAH



HRISHIT PODDAR



ROHAN YADAV



TEJAS ROY



ANIRUDDH BAJAJ



KABIR WADHWANI



CANCHI SISTLA AKSHARA



SHIVAM TRIPATHI



HARDIK GAUTAM



MANYA BHASKAR



NAMASHRITA GOPINATH



RONIL DHASAL



VEDA RAO



SAMANDAR SINGH



GANJI HAINDAVI



SAHISHNA



PRANAV. S

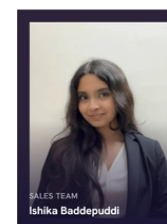
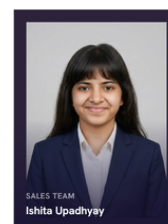
AND
MANY
MORE.

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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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DAILY QT

PASSAGE 1 — SEATWISE SOLUTIONS: CIRCULAR SEATING & RESTRICTED ARRANGEMENTS

SeatWise Solutions designs seating plans for conferences, banquets and examination halls. Its planners arrange people around round tables, and also count arrangements of the letters of names when certain letters must or must not sit together. Two arrangements around a round table are treated as the same if one is a rotation of the other. Letters that repeat are treated as identical.

1. Six delegates are seated around a round table. The number of distinct seating arrangements is:

- (A) 720
- (B) 120
- (C) 60
- (D) 24

2. Six delegates, including Asha and Bharat, are seated around a round table. The number of arrangements in which Asha and Bharat do NOT sit next to each other is:

- (A) 96
- (B) 72
- (C) 48
- (D) 24

3. The letters of the word NALSAR are arranged in a row so that both A's are next to each other. The number of such arrangements is:

- (A) 360
- (B) 240
- (C) 120
- (D) 60

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4. The letters of the word NALSAR are arranged in a row so that no two A's are next to each other. The number of such arrangements is:

- (A) 240
- (B) 120
- (C) 360
- (D) 60

5. Six delegates, including Chetan and Divya, are seated around a round table. The number of arrangements in which Chetan and Divya sit exactly opposite each other is:

- (A) 12
- (B) 36
- (C) 48
- (D) 24

6. Six delegates are seated randomly around a round table. Given the setup in Question 2, the probability that Asha and Bharat do NOT sit next to each other is:

- (A) $\frac{2}{5}$
- (B) $\frac{1}{2}$
- (C) $\frac{3}{5}$
- (D) $\frac{4}{5}$

PASSAGE 2 — LEAGUE TABLE LOGIC: ROUND-ROBIN OUTCOMES & POINTS

Four teams, A, B, C and D, play a round-robin tournament in which every team plays every other team exactly once. A win gives 3 points, a draw gives 1 point to each team, and a loss gives 0 points. Label the six matches AB, AC, AD, BC, BD and CD. Each match has exactly three possible results, and two outcomes are different if any single match result differs.

Questions 7 to 12 refer to this tournament.

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7. Exactly two of the six matches end in a draw and the other four are decisive (a win for one side). The total number of points distributed across the whole table is:

- (A) 16
- (B) 14
- (C) 18
- (D) 12

8. The total number of possible outcomes for the six matches is:

- (A) 243
- (B) 512
- (C) 729
- (D) 81

9. The number of possible outcomes in which team A finishes with exactly 9 points is:

- (A) 9
- (B) 27
- (C) 3
- (D) 81

10. The number of possible outcomes in which team A finishes with exactly 9 points and team B finishes with 0 points is:

- (A) 3
- (B) 1
- (C) 6
- (D) 9

11. If every one of the 729 outcomes is equally likely, the probability that team A finishes with exactly 9 points is:

- (A) $\frac{1}{9}$

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(B) $\frac{1}{27}$

(C) $\frac{1}{81}$

(D) $\frac{1}{3}$

12. The number of possible outcomes in which exactly two of the six matches are draws is:

(A) 120

(B) 180

(C) 300

(D) 240



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ANSWER KEY**PASSAGE 1 — SEATWISE SOLUTIONS (CIRCULAR SEATING & RESTRICTIONS)**

Q1: (B) 120 — Fix one delegate's seat; the other five can be arranged in $5! = 120$ ways.

Q2: (B) 72 — Treat Asha and Bharat as one block (2 orders) with 4 other units around the table: $2 \times 4! = 48$ arrangements with them adjacent. Non-adjacent: $120 - 48 = 72$.

Q3: (C) 120 — Treat the two A's as one block, leaving five units (N, L, S, R and AA) arranged in $5! = 120$ ways. The A's are identical, so no extra factor is needed.

Q4: (A) 240 — Total arrangements of NALSAR are $6!/2! = 360$. Subtract the 120 in which the A's are together: $360 - 120 = 240$.

Q5: (D) 24 — Fix Chetan's seat. Divya must take the opposite seat (1 way). The remaining four delegates fill the other four seats in $4! = 24$ ways.

Q6: (C) $3/5$ — From Question 2, 72 of the 120 arrangements have them non-adjacent, so the probability is $72/120 = 3/5$.

PASSAGE 2 — LEAGUE TABLE LOGIC (ROUND-ROBIN OUTCOMES)

Q7: (A) 16 — A draw distributes 2 points in total and a decisive result distributes 3. So $2 \times 2 + 4 \times 3 = 16$.

Q8: (C) 729 — Each of the six matches has three possible results, giving $3^6 = 729$.

Q9: (B) 27 — A wins all three of its matches (9 points). The other three matches, BC, BD and CD, are free: $3^3 = 27$.

Q10: (A) 3 — With A winning all its matches, B must lose BC and BD, which forces C and D to win those. Only CD is free: 3 outcomes.

Q11: (B) $1/27$ — 27 favourable outcomes out of 729 gives $27/729 = 1/27$.

Q12: (D) 240 — Choose which two of the six matches are draws: $C(6,2) = 15$. Each remaining match has 2 decisive results: $2^4 = 16$. So $15 \times 16 = 240$.

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