

CLAT Community

daily QT

SECTIONAL TEST

99

DAYS TO GO FOR **CLAT 2027**



clatcommunity.com



[CLAT Community](#)



clatcommunity@gmail.com



[CLAT Community](#)



(+91) 7702 832 727



[CLAT Community](#)

OUR RANKERS

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



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

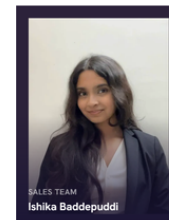
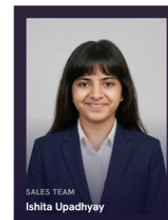
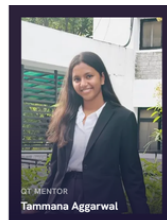
AND
MANY
MORE.

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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

Section — Passage 1

Kohinoor Talkies is a three-screen multiplex circuit — Grand, Vintage, and Studio — in a tier-2 city. This quarter it revised several of its pricing and revenue-sharing arrangements.

The state's entertainment tax is charged on a ticket's list price according to the slab below. One Friday-evening ticket's tax-inclusive price came to ₹204.

List price	Tax rate
₹150 or below	10%
Above ₹150	20%

For online bookings, the booking system first adds a flat ₹20 handling fee to a ticket's ₹450 list price, and then applies a 10% loyalty discount to that combined amount. Box-office staff instead apply the 10% discount to the ₹450 list price first, and add the ₹20 handling fee afterward.

On one particular weekend, gross box-office collection was ₹6,00,000. Entertainment tax took 10% of this gross figure; the film's distributor then took 55% of whatever remained after tax; and a flat ₹1,53,000 covered the exhibitor's own running costs for the rest of the weekend.

Day	Recliner sold	Standard sold	Total collection
Friday	200	500	₹1,35,000
Saturday	220	380	₹1,34,400

The Standard ticket's price was raised by 20% for the Saturday shows; the Recliner ticket's price was unchanged.

Last quarter, Screen 1 (Grand) collected ₹4,00,000, and this quarter's collection is 35% higher. Screen 3 (Studio) collected ₹4,80,000 last quarter; this quarter's actual collection came in 25% short of an internal target that had itself been fixed at 25% above last quarter's figure.

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The circuit's own screen count expanded at an unknown rate in Year 1. In Year 2, it expanded at a rate that was 8 percentage points lower than Year 1's rate. Taken together, the two years produced an overall increase of 34.4% in the screen count.

1. Based on the entertainment-tax slab and the Friday-evening ticket described above, what was that ticket's list price (before tax)?

- (A) ₹170
- (B) ₹163.20
- (C) ₹185.45
- (D) ₹177.39

2. For a ticket listed at ₹450, by how much does the box-office sequence (discount, then fee) exceed the online sequence (fee, then discount) in the final price charged to the customer?

- (A) ₹0
- (B) ₹2
- (C) ₹18
- (D) ₹45

3. What was the exhibitor's profit, for that weekend, as a percentage of the gross box-office collection?

- (A) $16\frac{2}{3}\%$
- (B) 40.5%
- (C) 15%
- (D) $\approx 37.04\%$

4. By what percentage does Screen 1's this-quarter collection exceed Screen 3's this-quarter collection?

- (A) $16\frac{2}{3}\%$
- (B) 50%
- (C) It is actually 10% less, not more
- (D) 20%

5. What was the original (pre-surcharge) price of a Standard ticket?

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- (A) ₹150
- (B) ₹300
- (C) ₹156.43
- (D) ₹82.94

6. What was the screen count's own expansion rate in Year 1?

- (A) 12%
- (B) 20%
- (C) 16.6%
- (D) 21.2%

Section — Passage 2

Vertex is a university-hosted robotics-and-AI hackathon. This season it registered 240 teams in all.

Of the 240 teams, 54 reached the Final Demo round — exactly 22.5% of all registrations. Of these 54 finalists, one-third are on the AI track and the rest are on the Robotics track. A three-team panel for the closing-exhibition slot is drawn at random from the 54 finalists.

For the knockout demo bracket, organisers split all 240 teams at random into equal groups of 4. Two fierce rivals, CircuitBreakers and ByteForce, are both still in the draw for this bracket stage.

The grand-finale judging panel is drawn at random, three at a time, from the hackathon's 15 empanelled judges. Prof. Rao and Dr. Iyer are two of these 15 judges.

Mentor volunteering grew by 24% this year over last year's count of 100 mentors. Afterward, 6 additional industry-partner mentors joined as fixed wildcard entries, outside this growth count. A three-mentor panel for the grand-finale judging is drawn at random from the full, combined mentor pool.

Of Vertex's 240 registrations, 40 teams belong to the Host University cluster: 50 of its students applied, of whom 80% cleared the regional qualifier. Two knockout rounds then cut the entire field uniformly — first to 60% of its size, and then to 75% of what remained —

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before a single closing-ceremony winner is drawn at random from whichever teams survive both rounds.

Two ordinary, unbiased dice are rolled once, together, to break a scheduling tie.

7. The dice used for the tie-break are rolled once. What is the probability that the product of the two numbers shown is a multiple of 6, and the two dice do not show the same number?

- (A) $7/36$
- (B) $5/12$
- (C) $7/18$
- (D) $1/9$

8. What is the probability that CircuitBreakers and ByteForce are placed in the same bracket group?

- (A) $1/46$
- (B) $1/6$
- (C) $1/8$
- (D) $3/23$

9. What is the probability that the grand-finale judging panel includes exactly one of Prof. Rao and Dr. Iyer?

- (A) $12/35$
- (B) $1/35$
- (C) $13/35$
- (D) $34/35$

10. What is the probability that the closing-exhibition panel of 3 finalists contains exactly 2 AI-track teams and 1 Robotics-track team?

- (A) $81/33460$
- (B) $153/689$
- (C) $315/689$
- (D) $527/2067$

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11. What is the probability that the grand-finale mentor judging panel includes at least one of the 6 wildcard industry-partner mentors?

- (A) $223/1378$
- (B) $11909/89440$
- (C) $11439/89440$
- (D) $77531/89440$

12. What is the probability that the closing-ceremony winner belongs to the Host University cluster?

- (A) $3/40$
- (B) $2/9$
- (C) Cannot be determined from the given data
- (D) $1/6$

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ANSWER KEY

PASSAGE 1 — Kohinoor Talkies (Percentage)

Q1 — Answer: (A) ₹170

Q2 — Answer: (B) ₹2

Q3 — Answer: (C) 15%

Q4 — Answer: (D) 20%

Q5 — Answer: (A) ₹150

Q6 — Answer: (B) 20%

PASSAGE 2 — Vertex Hackathon

Q7 — Answer: (C) 7/18

Q8 — Answer: (D) 3/23

Q9 — Answer: (A) 12/35

Q10 — Answer: (B) 153/689

Q11 — Answer: (B) 11909/89440

Q12 — Answer: (D) 1/6

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clatcommunity.com



clatcommunity@gmail.com



(+91) 7702 832 727



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