

CLAT Community

daily
AR

SECTIONAL TEST

50

DAYS TO GO FOR
CLAT 2027



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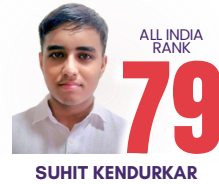


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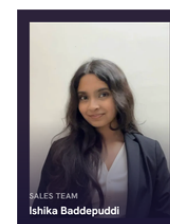
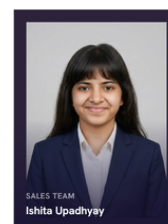
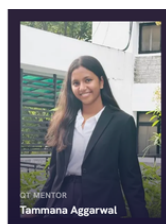
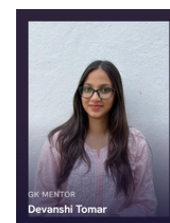
AND
MANY
MORE.

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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 AR**PASSAGE 1**

In 2026 the Ayush Department ran three mobile dispensary vans — Aruna, Bharani and Chitra — each of which enrolled exactly 100 patients for a six-week course. A patient ‘completes’ only by attending all six weeks, and each van drew its patients from hill hamlets and plains hamlets. Aruna enrolled 20 hill patients, 90% of whom completed, while 50% of its plains patients completed. Bharani enrolled 80 hill patients, of whom 64 completed, and 40% of its plains patients completed. Chitra drew 60% of its patients from hill hamlets; its hill completion rate was 75% and its plains completion rate was 45%. The vans’ drug stock cost ₹3.6 lakh and each van keeps a four-day weekly roster, but neither fact bears on any count. Unless stated otherwise, ‘rate’ means completers as a percentage of the patients enrolled in the group named.

Q1. Which of the following conclusions is valid about Aruna and Bharani?

- (A) Bharani’s overall rate is higher than Aruna’s, so Bharani must have done better in each terrain.
- (B) Aruna’s rate is higher than Bharani’s in each terrain, so Aruna’s overall rate must also be higher.
- (C) Aruna’s rate is higher than Bharani’s in each terrain, yet Bharani’s overall rate is higher.
- (D) Bharani’s overall rate is higher than Aruna’s only because Bharani’s hill rate is higher than Aruna’s.

Q2. Suppose Chitra’s plains completion rate rose, with its enrolment and hill rate unchanged, until its overall rate equalled the simple (unweighted) mean of Aruna’s and Bharani’s overall rates. By how many percentage points would its plains rate have to rise?

- (A) 2
- (B) 5
- (C) 7
- (D) 20

Q3. Across all three vans together, how many more plains patients than hill patients failed to complete the course?

- (A) 20
- (B) 61

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(C) 107

(D) 41

Q4. Suppose Aruna had enrolled 80 hill patients and 20 plains patients, its rate in each terrain remaining unchanged. By how many percentage points would its overall rate then exceed Bharani's actual overall rate?

(A) 10

(B) 24

(C) 2

(D) 18

Q5. For how many of the three possible pairs of vans does one van have a higher completion rate than the other in each terrain, yet a lower overall rate?

(A) 0

(B) 1

(C) 2

(D) 3

Q6. A fourth van, Daksha, enrolled 100 patients; its completion rates in hill and plains hamlets were the same as Bharani's (80% and 40%), and its overall completion rate was 64%. How many of its patients were from hill hamlets?

(A) 40

(B) 60

(C) 80

(D) 50

Q7. Which of the following can be definitely concluded about the plains patients of the three vans taken together?

(A) Fewer than half of all the plains patients completed the course.

(B) Plains patients outnumber hill patients.

(C) The pooled plains completion rate equals the simple mean of the three vans' plains rates.

(D) The pooled plains completion rate is higher than Aruna's plains rate.

Q8. How many of the following statements are correct?

(i) Bharani's overall rate is higher than Aruna's although Aruna's rate is higher in each terrain.

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(ii) Had Aruna and Chitra each enrolled 50 hill and 50 plains patients, rates unchanged, Aruna's overall rate would exceed Chitra's.

(iii) Chitra's overall rate is the mean of Aruna's and Bharani's overall rates.

(iv) More than 30% of all the patients who failed to complete were hill patients.

(A) 4

(B) 3

(C) 2

(D) 1

PASSAGE 2

A bulk-drug unit releases each production batch through a fixed sequence of checks. A batch whose residual solvent is above the limit goes to Drying, and no other result matters.

Otherwise, purity is examined. A batch with purity below 98% is Rejected unless it holds a Corrective-Action Certificate, in which case it proceeds to the particle-size check; a batch with purity of 98% or more proceeds to the particle-size check only if it has a laboratory validation dated within the last 30 days, and is otherwise sent to Retest. At the particle-size check, a batch whose size is within the band is Released and any other batch goes to Regrind. Every batch ends in exactly one of these five outcomes. The unit runs 14 reactors, which has no bearing on any outcome. Five batches are on the register below; a dash means the result was not recorded.

Batch	Solvent above limit	Purity below 98%	Certificate	Lab validation (30 days)	Size in band
B1	No	Yes	Yes	No	Yes
B2	No	No	Yes	No	Yes
B3	—	Yes	No	No	Yes
B4	No	—	Yes	No	No
B5	—	No	No	Yes	—

Q9. How many of the five batches have an outcome that is fully determined by the register?

(A) 1

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- (B) 2
- (C) 3
- (D) 4

Q10. A batch ended in Regrind. Which of the following must be true of it?

- (A) Its purity was below 98%.
- (B) It held a Corrective-Action Certificate.
- (C) It held a Corrective-Action Certificate or a laboratory validation (or both).
- (D) It had a laboratory validation.

Q11. B3 and B5 ended in different outcomes. Which of the following must be true?

- (A) B3's residual solvent was within the limit.
- (B) B5's residual solvent was within the limit.
- (C) Exactly one of B3 and B5 had residual solvent above the limit.
- (D) At least one of B3 and B5 had residual solvent within the limit.

Q12. Each of the five test results can be Yes or No, giving 32 possible combinations. In how many of these 32 combinations would changing the certificate result alone (Yes to No, or No to Yes) change the final outcome?

- (A) 4
- (B) 8
- (C) 16
- (D) 24

Q13. The unit revises its rule: a batch of low purity holding a certificate must also have a laboratory validation within 30 days to reach the size check; otherwise it is sent to Retest. All other rules are unchanged. Under the revised rule, how many of the five batches are certain to end in Retest?

- (A) 1
- (B) 2
- (C) 3
- (D) 4

Q14. Exactly two of the five batches ended in Drying. How many batches in all ended in Retest or Regrind?

- (A) 2

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- (B) 1
(C) 3
(D) 4

Q15. Consider B2 alone. For how many of the five test results would changing that one result alone (Yes to No, or No to Yes, all other results unchanged) change B2's outcome?

- (A) 2
(B) 3
(C) 4
(D) 5

Q16. How many of the following statements are correct?

- (i) A batch lacking a laboratory validation can still be Released.
(ii) A batch with purity below 98% can never end in Retest.
(iii) A batch holding a Corrective-Action Certificate can never end in Retest.
(iv) Every batch that ends in Re grind holds a Corrective-Action Certificate.
- (A) 0
(B) 1
(C) 2
(D) 3

PASSAGE 3

A metro rail corporation applies a crowd protocol to four stations in the Monday evening peak hour. A station's peak-hour footfall this week is last week's figure changed by the percentage shown.

Station	Capacity	Last week	Change	Feeder-bus link
Aqua	2,000	1,500	+20%	Yes
Bluff	3,000	2,400	+15%	No
Coral	2,500	Same as Aqua's this-week figure	+30%	Yes
Dune	4,000	3,200	+10%	No

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A station goes on Alert only if its peak exceeds 90% of its capacity. An Alert station with a feeder link has 25% of its peak diverted to buses; an Alert station without one has 30% of its peak turned away at the gates. After this, an Alert station is Closed if the footfall that remains exceeds 70% of its capacity; otherwise it stays Open. A station not on Alert is never Closed. The corporation owns 96 coaches, which has no bearing on any station.

Q17. Which stations end up Closed?

- (A) No station
- (B) Coral only
- (C) Bluff and Coral
- (D) Coral and Dune

Q18. How many stations are on Alert?

- (A) 3
- (B) 4
- (C) 2
- (D) 1

Q19. What is the smallest whole-number percentage increase over last week's figure that would put Dune on Alert?

- (A) 10
- (B) 12
- (C) 13
- (D) 15

Q20. Suppose Bluff's change this week had been +25% instead of +15%, all else unchanged. Which of the following would then be true of Bluff?

- (A) Alert, 30% turned away, and Closed.
- (B) Alert, 30% turned away, and Open.
- (C) Alert, 25% diverted to buses, and Open.
- (D) Closed, without any response having been applied.

Q21. What is the total number of passengers diverted or turned away across the four stations?

- (A) 1,275
- (B) 1,413

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(C) 1,863

(D) 2,469

Q22. Coral's last-week figure is 1,800. What is the largest whole-number percentage increase for which Coral would still be on Alert but would stay Open?

(A) 25

(B) 26

(C) 29

(D) 30

Q23. A station was found to be Closed, and its peak footfall was 96% of its capacity. Which of the following is certain?

(A) It has no feeder link.

(B) It received the 30% turn-away.

(C) Nothing can be said about its feeder link, since 96% exceeds the 90% Alert level.

(D) It has a feeder link.

Q24. How many of the following statements are correct?

(i) Dune's peak exceeds 70% of its capacity, yet Dune is not Closed.

(ii) Aqua has 25% of its peak diverted because it holds a feeder link.

(iii) The total diverted or turned away across the four stations is below 1,500.

(iv) Bluff's remaining footfall exceeds Coral's remaining footfall, although Bluff stays Open and Coral is Closed.

(A) 1

(B) 2

(C) 3

(D) 4

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ANSWER KEY

Q1. (C) Aruna: hill 18 of 20 (90%), plains 40 of 80 (50%), overall 58 of 100. Bharani: hill 64 of 80 (80%), plains 8 of 20 (40%), overall 72 of 100. Aruna beats Bharani in hills (90 against 80) and in plains (50 against 40), yet Bharani's overall 72% beats Aruna's 58%. The reason is the mix: most of Aruna's patients were plains patients, where completion is low for everyone, and most of Bharani's were hill patients. So option C is the only valid conclusion.

Q2. (B) Chitra's counts must be built: hill $60 \times 75\% = 45$ completers; plains $40 \times 45\% = 18$; overall 63 of 100. The simple mean of Aruna's 58% and Bharani's 72% is 65%, i.e. 65 completers. Chitra needs 2 more, all from its 40 plains patients: $2 \div 40 = 5$ percentage points (45% to 50%).

Q3. (D) Hill: enrolled 160, completers 127, non-completers 33. Plains: enrolled 140, completers 66, non-completers 74. Difference $74 - 33 = 41$.

Q4. (A) New mix: $80 \times 90\% = 72$ and $20 \times 50\% = 10$, so 82%. Bharani's is 72%. Excess 10 percentage points.

Q5. (C) Overall: Aruna 58%, Bharani 72%, Chitra 63%. Aruna–Bharani reverses (higher in both terrains, lower overall). Aruna–Chitra reverses (90 against 75, 50 against 45, but 58 against 63). Bharani–Chitra does not (Bharani lower in plains, 40 against 45). Exactly 2 pairs.

Q6. (B) $0.80h + 0.40(100 - h) = 64$ gives $0.40h = 24$, so $h = 60$.

Q7. (A) Plains patients 140, plains completers 66, about 47.1%, below half. B is false (hill patients are 160). C is false (simple mean 45%, group sizes unequal). D is false (47.1% is below Aruna's 50%).

Q8. (B) (i) True. (ii) Aruna $45 + 25 = 70$; Chitra $37.5 + 22.5 = 60$; true. (iii) The mean of 58% and 72% is 65%, not Chitra's 63%; false. (iv) 33 of 107 is about 30.8%, above 30%; true. Three are correct.

Q9. (B) B1 is Released (low purity, certificate, size in band; validation irrelevant). B2 is Retest (purity fine, no validation). B3 is Drying or Rejected. B4 is Retest or Regrind depending on purity. B5 is Drying, Released or Regrind. Only B1 and B2 are determined: 2.

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Q10. (C) Regrind means the batch reached the size check and failed it. It reaches the size check by low purity with a certificate, or by good purity with a laboratory validation. So at least one of certificate or validation must be present. A, B and D each fix on one route only.

Q11. (D) B3 can only be Drying or Rejected; B5 can be Drying, Released or Regrind. If both had high solvent, both would be Drying, the same outcome, which is excluded. So at least one is within the limit. A, B and C are each not forced by a valid example.

Q12. (B) The certificate is consulted only when solvent is within the limit and purity is low. That fixes two tests; validation and size are free (4) and the certificate takes either value (2): 8 combinations.

Q13. (C) Under the revised rule B1 goes to Retest, B2 is Retest, and B4 is Retest whichever way its purity falls. B3 is Rejected or Drying and B5 is never Retest. So 3.

Q14. (A) Only B3 and B5 can be Drying, so both are. B1 is Released, B2 is Retest, and B4 is Retest or Regrind either way. Retest or Regrind: B2 and B4 = 2.

Q15. (B) Changing solvent gives Drying; changing purity brings the certificate in and gives Released; changing validation gives Released. Changing the certificate or the size changes nothing. Three results matter.

Q16. (C) (i) True (B1). (ii) True. (iii) False (B2). (iv) False (a good-purity batch with validation can be Regrind without a certificate). Two are correct.

Q17. (B) Peaks: Aqua 1,800; Bluff 2,760; Coral $1,800 \times 1.30 = 2,340$; Dune 3,520. Alert (more than 90%): Aqua is exactly 1,800, so no; Bluff and Coral yes; Dune below 3,600, no. Bluff keeps 1,932, below 2,100, so Open. Coral keeps 1,755, above 1,750, so Closed. Dune is not on Alert, so never Closed. Coral only.

Q18. (C) Aqua's 1,800 equals 90% of 2,000 and does not exceed it; Dune's 3,520 is below 3,600. Two stations: Bluff and Coral.

Q19. (C) Alert needs more than 3,600, an increase of more than 400 on 3,200, which is 12.5%. 12% gives 3,584 (no); 13% gives 3,616 (yes). Answer 13.

Q20. (B) Bluff's peak 3,000 is above 2,700, so Alert. With no link, 30% is turned away, leaving 2,100, which equals but does not exceed 70% of 3,000. So it stays Open.

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Q21. (B) Only Alert stations count: Bluff 30% of 2,760 = 828; Coral 25% of 2,340 = 585.
Total 1,413.

Q22. (C) Alert needs an increase above 25%. Staying Open needs 75% of the peak to be at most 1,750, so the peak is at most $2,333\frac{1}{3}$, an increase of about 29.6% at most. 29% gives 1,741.5 remaining (Open); 30% gives 1,755 (Closed). Largest is 29.

Q23. (D) Without a link, $70\% \times 96\% = 67.2\%$ remains, not above 70%, so Open. With a link, $75\% \times 96\% = 72\%$ remains, above 70%, so Closed. The station has a feeder link.

Q24. (C) (i) True (3,520 exceeds 2,800 but Dune is not on Alert). (ii) False (Aqua is not on Alert). (iii) True (1,413). (iv) True (1,932 Open against 1,755 Closed). Three are correct.

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