

CLAT Community

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SECTIONAL TEST

101

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CLAT 2027



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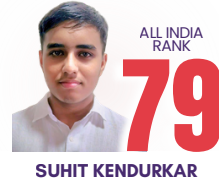


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1 in every 4 of CLAT Community's students
are now placed in Top 5 NLUs.



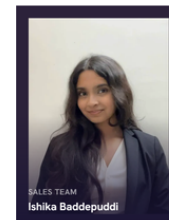
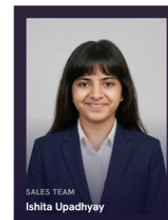
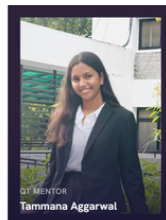
AND
MANY
MORE.

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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 ANALYTICAL REASONING

Passage 1 — Puzzle

Aarogya Pharma stores eight vaccine cartons — A, B, C, D, E, F, G and H — on a two-level loading rack: a Top shelf and a Bottom shelf, each with four numbered bays (1 to 4, left to right). Every bay holds exactly one carton. The warehouse computer assigns each carton a rack-code equal to its bay number multiplied by a shelf-multiplier — 5 for the Top shelf, 3 for the Bottom shelf.

The placement log records: Carton H is on the Top shelf, immediately to the right of Carton A. Carton C is on the same shelf as Carton A, but is not adjacent to it. Carton F, also on the Top shelf, is placed directly above Carton B, which is on the Bottom shelf. Carton E occupies the leftmost bay of the Bottom shelf. Carton G is placed directly below Carton A. An auditor's note adds one further fact: Carton G's rack-code, whatever it turns out to be, is an odd number.

Q1. By how much does Carton F's rack-code exceed Carton E's rack-code?

- (A) 1
- (B) 7
- (C) 3
- (D) 13

Q2. Which two cartons' rack-codes add up exactly to Carton H's rack-code?

- (A) E and G
- (B) B and G
- (C) A and C
- (D) F and D

Q3. Exactly one of the following facts, though true, is not needed to fix every carton's position uniquely. Which one?

- (A) Carton E occupies the leftmost bay of the Bottom shelf.
- (B) Carton H is on the Top shelf, immediately to the right of Carton A.
- (C) Carton F is directly above Carton B.
- (D) Carton G's rack-code is an odd number.

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Q4. Suppose Cartons C and F, both on the Top shelf, swap bays. By how much does Carton C's rack-code increase?

- (A) 5
- (B) 1
- (C) 0
- (D) 10

Q5. Exactly one of the following statements about the solved rack is true. Which one?

- I. Two of the Bottom-shelf cartons have rack-codes that are exact multiples of 6.
- II. The carton immediately to the left of Carton H has a rack-code exactly half of H's.
- III. Exactly two of the Top-shelf rack-codes are single-digit numbers.
- IV. The Top shelf's total rack-code is less than the Bottom shelf's total.

- (A) Statement II
- (B) Statement I
- (C) Statement III
- (D) Statement IV

Q6. Reading left-to-right along the Top shelf and then left-to-right along the Bottom shelf, how many cartons lying strictly between Carton C and Carton G have a rack-code greater than 8?

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

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Passage 2 — Classification

Kavali Textiles tags every fabric roll with a four-digit control number. To find a number's digital root, add its digits together; if the result has more than one digit, add those digits again, and repeat until a single digit remains. A roll clears automatic quality control only if its control number's digital root equals the target root fixed for its production line this month.

The table below lists three production lines, their target roots, and the control numbers of their most recent rolls. Every control number listed has already been checked against its own line's target; some pass, some are flagged for manual inspection.

Line	Target root	Control numbers
P	4	3307, 8833, 9121, 4030
Q	8	4157, 6398, 9179, 6158
R	2	3323, 8813, 9524, 9531

Q7. Line P's rolls are 3307, 8833, 9121 and 4030, and Line P's target root is 4. Three of these four clear automatically; one is flagged for manual inspection. Which roll is flagged?

- (A) 3307
- (B) 8833
- (C) 9121
- (D) 4030

Q8. Kavali's system also assigns a combined control number to any two rolls shipped together in one crate, formed by simply summing their individual control numbers. Rolls 4157 and 6398 (both Line Q, target root 8) are shipped together. Does the crate's combined number clear Line Q's target?

- (A) No — its digital root is 7
- (B) Yes — a sum of two roots that are each 8 must itself have digital root 8
- (C) No — its digital root is 5
- (D) Yes — recomputing carefully, the combined number's digital root is 8

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Q9. Roll 9524 (Line R, target root 2) currently clears. If its LAST digit is changed to some other single digit (0–9, not 4), for how many of those nine alternative digits does the roll still clear Line R automatically?

- (A) 1
- (B) 0
- (C) 2
- (D) 9

Q10. Evaluate the following statements about digital roots.

- I. For any positive whole number N , the digital root of $(N + 9)$ equals the digital root of N .
- II. If two numbers have the same digital root, the digital root of their sum must equal that same digital root.
- III. Reordering a number's digits never changes its digital root.

- (A) I only
- (B) II and III only
- (C) I and III only
- (D) I, II and III

Q11. A faded label shows one of Line Q's rolls as 7□28, where the second digit is illegible. Given that this roll cleared Line Q automatically (target root 8), what is the sum of all digits that could have occupied the illegible position?

- (A) 0
- (B) 18
- (C) 4
- (D) 9

Q12. All twelve rolls named across Lines P, Q and R are sorted by digital root in increasing order (ties broken by the roll's own numeric value, smaller first). Which roll occupies the 6th position in this sorted list?

- (A) 8833
- (B) 9121

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(C) 3307

(D) 4030

Passage 3

During a joint efficiency audit, Aarogya Pharma's warehouse team adopts Kavali Textile's digital-root clearance rule from Passage 2 to sanity-check its own rack, using the same eight cartons and rack-codes already established in Passage 1. Under this quarter's clearance protocol, a carton clears automatically if its rack-code's digital root equals 6; otherwise it is flagged for manual re-inspection. Recall Passage 1's placement log and rack-code formula — bay number multiplied by shelf-multiplier, Top = 5 and Bottom = 3. Nothing about the rack or its arrangement has changed; only this new clearance check is applied on top of it.

Q13. Under this quarter's clearance protocol (target digital root = 6), which two of the eight cartons clear automatically?

(A) D and E

(B) A and B

(C) F and H

(D) C and G

Q14. Suppose Cartons C and F swap bays, exactly as in Question 4. After the swap, does Carton C now clear the protocol (target root 6)?

(A) No — its digital root becomes 5

(B) Yes — its digital root becomes 6

(C) No — its digital root becomes 1

(D) Yes — it already had digital root 6, unaffected by the move

Q15. Among the Bottom-shelf cartons that do NOT clear the protocol, which two share the same digital root as each other?

(A) E and G

(B) G and D

(C) All three (D, E and G) share the same root

(D) D and E

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Q16. To determine whether Carton D clears the protocol, which of the following is NOT required?

- (A) The Bottom shelf's total rack-code
- (B) Carton D's bay number
- (C) Carton D's shelf (Top or Bottom)
- (D) The clearance target value, 6

Q17. A ninth carton, not on the rack, carries control number 5484. What is its digital root, and does it clear the target of 6?

- (A) digital root 3; clears
- (B) digital root 3; does not clear
- (C) digital root 6; clears
- (D) digital root 21; does not clear

Q18. How many of the eight cartons have a rack-code whose digital root is itself a prime number?

- (A) 3
- (B) 5
- (C) 4
- (D) 6

Q19. Every carton on the rack now shifts one bay to the right along its own shelf, with the occupant of bay 4 wrapping around to bay 1. What is the new rack-code of the carton now occupying the Bottom shelf's bay 1?

- (A) 12
- (B) 9
- (C) 6
- (D) 3

Q20. The eight cartons are ranked by digital root in DEcreasing order, ties broken alphabetically by carton letter. Which carton holds the 4th position?

- (A) C

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(B) D

(C) A

(D) G

Q21. After the same C–F swap described in Question 14, how many of the eight cartons now clear the protocol (target root 6)?

(A) 1

(B) 2

(C) 3

(D) 0

Q22. Exactly one of the following statements is true.

I. Every carton on the Top shelf clears the protocol.

II. The two cartons that clear the protocol sit on different shelves.

III. The flagged carton with the highest rack-code is Carton G.

IV. Exactly three cartons share a digital root with at least one other carton.

(A) Statement I

(B) Statement IV

(C) Statement II

(D) Statement III

Q23. An auditor claims: "To know whether Carton G clears the protocol, you must know Line P's target root from Passage 2 (4)." Is the auditor correct?

(A) Yes — since both systems use the same digital-root method, their targets must match

(B) Yes — Carton G was originally one of Line P's rolls in Passage 2, so Line P's target applies

(C) No — but only because G's digital root (9) happens not to equal 4 either; if it did, Line P's target would apply

(D) No — Passage 3 uses its own separate target (6); Line P's target plays no role here

Q24. The two clearing cartons' rack-codes (from Question 13) are summed, and the digital root of that sum is taken as a new target. A ninth, hypothetical carton is to be placed on the

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Bottom shelf in whichever bay gives it a rack-code matching this new target. If more than one bay qualifies, give the smallest bay number.

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



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ANSWER KEY

Q	Answer
1	B
2	C
3	D
4	A
5	B
6	C
7	D
8	A
9	B
10	C
11	D
12	A
13	B
14	C
15	D
16	A
17	B
18	C
19	D
20	A

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21	B
22	C
23	D
24	A



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