

# CLAT Community

# daily AR

## SECTIONAL TEST

# 52

## DAYS TO GO FOR CLAT 2027



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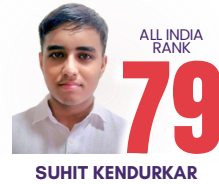


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# OUR RANKERS

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



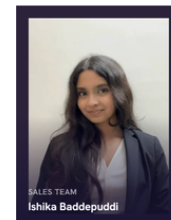
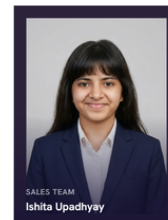
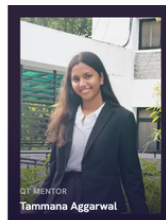
AND  
MANY  
MORE.

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# OUR COURSES



# OUR MENTORS



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# MENTORS' NOTE

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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**

At Kondapur Tea Estate, the weighbridge clerk logs each day's green-leaf weight from six sections — K, L, M, N, P and R — only as coded comparisons. His code: X \$ Y means X weighed more than Y; X @ Y means X weighed no less than Y; X & Y means X and Y weighed exactly the same. Each line is read from left to right, link by link, and the clerk logs a comparison only when he is certain of it. Today's log has four lines, shown below. Unless a question says otherwise, the weights may be any values that the log allows.

| Line | Entry      |
|------|------------|
| 1    | K @ L \$ M |
| 2    | L \$ N & P |
| 3    | R @ M      |
| 4    | K \$ R     |

**Q1.** Which of the following statements is definitely true?

- (A) K weighed more than every other section.
- (B) R weighed less than L.
- (C) L weighed more than at least three other sections.
- (D) M weighed less than N.

**Q2.** Which is the largest number of sections that could all have weighed exactly the same?

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

**Q3.** Suppose K, L, M, R and the common weight of N and P are five different values. In how many different orders can these five be arranged from heaviest to lightest, consistent with the log?

- (A) 7
- (B) 8

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- (C) 5  
(D) 18

**Q4.** The clerk later logs 'R \$ L'. Which of these conclusions can now be drawn that could not be drawn from the original four lines?

- (A) R weighed more than P.  
(B) K weighed more than M.  
(C) L weighed more than P.  
(D) M weighed no less than P.

**Q5.** For how many of the 15 pairs of sections does the log leave it open which one weighed more — that is, in how many pairs can neither section be said to have weighed no less than the other?

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

**Q6.** A later note in the clerk's own words reads: 'No section weighed less than M, and N weighed no more than M.' Combining this with the log, which of the following is definitely true?

- (A) R weighed more than M.  
(B) P weighed exactly the same as M.  
(C) N weighed more than P.  
(D) L weighed exactly the same as R.

**Q7.** Weights are whole numbers of quintals. On a certain day K weighed 12 and M weighed 8. What is the greatest possible total weight of the six sections?

- (A) 65  
(B) 62  
(C) 66  
(D) 67

**Q8.** How many of the following statements are correct?

- (i) K may have weighed exactly the same as L.  
(ii) R may have weighed exactly the same as L.

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- (iii) M certainly weighed less than R.  
(iv) N and P certainly weighed the same.  
(A) 1  
(B) 2  
(C) 3  
(D) 4

**PASSAGE 2**

The Manjira Rowing Club of Nizamabad has had exactly one retirement and one admission in its history, as recorded below. All ages are whole numbers of completed years, and every member ages exactly one year per year. No member has joined or left except as recorded, and no member has died.

| Event                      | Years after founding | Recorded fact                                                                                                                          |
|----------------------------|----------------------|----------------------------------------------------------------------------------------------------------------------------------------|
| Founding                   | 0                    | Average age of the founders: 31                                                                                                        |
| One founder retires        | 6                    | He was then aged 42; the average age of the founders who remained was 36                                                               |
| Two brothers join together | 8                    | Their ages differ by 4 years                                                                                                           |
| Today                      | 10                   | Average age of all current members: 38. The club captain, an original founder still active, is 21 years older than the younger brother |

**Q9.** How many founders did the club have?

- (A) 5  
(B) 7  
(C) 6  
(D) 8

**Q10.** What is the total of the present ages of the five founders who stayed?

- (A) 180

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- (B) 200
- (C) 190
- (D) 210

**Q11.** How old is the elder of the two brothers today?

- (A) 31
- (B) 33
- (C) 37
- (D) 35

**Q12.** What is the average present age of the four founders other than the captain?

- (A) 36
- (B) 38
- (C) 40
- (D) 37

**Q13.** Suppose the retired founder had stayed on, with the brothers joining exactly as before. What would be the average age of all members today?

- (A) 39
- (B) 38
- (C) 41
- (D) 42

**Q14.** Assuming no change in membership, after how many complete years from today will the club's average age first be greater than 41?

- (A) 4
- (B) 3
- (C) 5
- (D) 21

**Q15.** At least how many of the club's seven present members are certainly older than the elder brother?

- (A) 1
- (B) 3
- (C) 2
- (D) 5

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**Q16.** How many of the following statements are correct?

- (i) The retired founder was 36 when the club was founded.
  - (ii) The younger brother was 31 when the brothers joined.
  - (iii) The captain is 52 today.
  - (iv) Immediately after the brothers joined, the club's average age was 36.
- (A) 1  
(B) 3  
(C) 2  
(D) 4

**PASSAGE 3**

The coach of a district Under-18 chess squad keeps a coded register for six players — A, B, C, D, E and F — whose ages today are whole numbers of years. In the code,  $X \$ Y$  means X is strictly older than Y;  $X \# Y$  means X is strictly younger than Y;  $X @ Y$  means X is no younger than Y;  $X \% Y$  means X is no older than Y. The register has six links:  $A \$ B$ ;  $B @ C$ ;  $C \$ D$ ;  $B \$ E$ ;  $E @ F$ ;  $D \# E$ . The coach adds three facts. A is seven years older than F, and two years from now the ratio of A's age to F's age will be 19 : 12. B and C are together 31 years old. D and E are together 25 years old. 'The possible squads' means every complete set of six ages that fits the register and all three facts.

**Q17.** What is B's age today?

- (A) 15  
(B) 16  
(C) 17  
(D) 18

**Q18.** What is the greatest possible age of D?

- (A) 12  
(B) 11  
(C) 13  
(D) 14

**Q19.** How many different squads (sets of six ages) are possible?

- (A) 1  
(B) 4

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(C) 5

(D) 3

**Q20.** At the moment E turns 20, what is the greatest possible age of D at that moment?

(A) 15

(B) 17

(C) 19

(D) 20

**Q21.** How many of the six register links could be deleted, one at a time, without changing the set of possible squads?

(A) 0

(B) 2

(C) 1

(D) 3

**Q22.** Suppose the link 'D # E' were replaced by 'D % E' (everything else unchanged). How many possible squads would there be?

(A) 2

(B) 4

(C) 5

(D) 3

**Q23.** Suppose it is further known that five years ago E's age was exactly twice D's age. How old will A be when E is twice as old as F is today?

(A) 21

(B) 22

(C) 23

(D) 24

**Q24.** How many of the following statements are correct?

(i) The six players' ages today total 83.

(ii) D can be the same age as F.

(iii) E is certainly older than C.

(iv) E is at most two years younger than B.

(A) 1

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(B) 3

(C) 4

(D) 2



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**ANSWER KEY**

**Q1. (C)** Line 1 gives  $L \$ M$ ; Line 2 gives  $L \$ N \& P$ , so  $L$  beats  $M$ ,  $N$  and  $P$  (three).  $K @ L$  allows a tie (A wrong: non-strict read as strict);  $R$  and  $L$  are never compared (B: transitive leap through  $K$ );  $M$  and  $N$  are never compared (D).

**Q2. (A) 4**  $M$ ,  $N$ ,  $P$  and  $R$  can all be equal (e.g. all 5,  $L$  6,  $K$  7);  $L$  is strictly above  $M$ ,  $N$  and  $K$  strictly above  $R$ . (B) counts only the stated  $N \& P$  pair; (C) forgets  $R @ M$  allows  $R = M$ ; (D) lets  $L$  join the tie.

**Q3. (C) 5**  $K$  first. If  $L$  is second,  $R$  before  $M$  with  $NP$  anywhere: 3 orders; if  $R$  is second, then  $L$ , then  $M$  and  $NP$  in either order: 2. Total 5. (A) 7 ignores  $K \$ R$ ; (B) 8 ignores  $R @ M$ ; (D) 18 treats  $N$  and  $P$  as separate.

**Q4. (A)**  $R \$ L$  with  $L \$ P$  gives  $R \$ P$ , newly forced. (B) and (C) were already forced (answers a different question); (D) assumes  $M$  and  $P$  are ordered.

**Q5. (D) 5** Ordered pairs:  $K$  with five others (5),  $L$  with  $M$ ,  $N$ ,  $P$  (3),  $M-R$  (1),  $N-P$  (1) = 10; open pairs:  $L-R$ ,  $M-N$ ,  $M-P$ ,  $N-R$ ,  $P-R$  = 5. (A) 3 treats  $M$ ,  $N$ ,  $P$  as mutually ordered; (B) 4 assumes  $L$  and  $R$  ordered; (C) 6 treats  $N \& P$  as no order.

**Q6. (B)** 'No less than  $M$ ' for all gives  $N$  at least  $M$ ; 'no more than  $M$ ' gives  $N$  at most  $M$ ; so  $N = M$  and  $P = N = M$ . (A) reads 'no less than' as 'more than'; (C) ignores  $N \& P$ ; (D) treats a possibility as certain.

**Q7. (A) 65**  $L = 12$ ;  $N = P = 11$ ;  $R = 11$ ;  $M = 8$ :  $12+12+8+11+11+11 = 65$ . (B) 62 reads  $K @ L$  as strict; (C) 66 reads  $K \$ R$  as non-strict; (D) 67 reads  $L \$ N$  as non-strict.

**Q8. (C) 3** (i) true, (ii) true ( $R$  and  $L$  may tie), (iii) false ( $R @ M$  allows  $R = M$ ), (iv) true. (A) counts only (i); (B) rejects (ii); (D) accepts (iii).

**Q9. (C) 6**  $31n + 6n - 42 = 36(n - 1)$  gives  $n = 6$ . (A) 5 counts the remaining founders; (B) 7 is today's membership; (D) 8 adds brothers and ignores the retirement.

**Q10. (B) 200** Five founders totalled 180 four years ago:  $180 + 5 \times 4 = 200$ . (A) no ageing; (C) ages two years; (D) ages six years.

**Q11. (D) 35**  $7 \times 38 = 266$ ; minus 200 gives 66 for the brothers; with a difference of 4: 31 and 35. (A) younger brother; (B) mean ignoring the difference; (C) adds the whole difference to the mean.

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**Q12. (D) 37** Captain =  $31 + 21 = 52$ ;  $(200 - 52)/4 = 37$ . (A) uses the elder brother; (B) club average; (C) forgets to remove the captain.

**Q13. (A) 39** Retiree would now be 46:  $(266 + 46)/8 = 39$ . (B) ignores the extra member; (C) founders-only average; (D) averages 38 and 46 unweighted.

**Q14. (A) 4** Average is  $38 + t$ ; equals 41 at  $t = 3$ , exceeds it only after that: 4 complete years. (B) reads 'greater than' as 'at least'; (C) counts the current year; (D) multiplies by members.

**Q15. (C) 2** Captain (52) is older than 35; the other four total  $148 > 4 \times 35 = 140$ , so at least one exceeds 35. (A) captain only; (B) assumes two; (D) assumes all founders.

**Q16. (B) 3** (i) 36 true; (ii) younger brother was 29: false; (iii) 52 true; (iv)  $(190 + 62)/7 = 36$  true. (A) counts only (iii); (C) rejects (iv); (D) accepts (ii).

**Q17. (B) 16**  $A - F = 7$  and  $12(A + 2) = 19(F + 2)$  give  $F = 10$ ,  $A = 17$ .  $B + C = 31$  with B at least C gives B at least 16; B below 17:  $B = 16$ . (A) reads B @ C backwards; (C) reads A \$ B as non-strict; (D) reads A \$ B backwards.

**Q18. (A) 12**  $D \# E$  with  $D + E = 25$  gives D at most 12 (the C \$ D bound of 14 is not binding). (B) middle squad; (C) rounds 12.5 up; (D) uses only C \$ D.

**Q19. (D) 3**  $D = 10, 11, 12$  with  $E = 15, 14, 13$  (E at most 15). (A) assumes pinned; (B) reads B \$ E as non-strict (adds  $E = 16$ ,  $D = 9$ ); (C) ignores  $D \# E$ .

**Q20. (C) 19** The gap  $E - D$  is 5, 3 or 1;  $D = 20 - \text{gap}$ : 15, 17, 19; greatest 19. (A) least; (B) middle squad; (D) allows a tie.

**Q21. (B) 2** 'C \$ D' and 'E @ F' are redundant; deleting A \$ B, B @ C, B \$ E or  $D \# E$  enlarges the set (57, 6, 12, 5). (A) assumes all informative; (C) finds only E @ F; (D) also drops B @ C.

**Q22. (D) 3**  $D = E$  would need  $D + E$  even; 25 is odd, so the squads are unchanged. (A) reads % backwards; (B) adds a tie; (C) removes the link.

**Q23. (B) 22**  $E - 5 = 2(D - 5)$  with  $D + E = 25$  gives  $E = 15$ ,  $D = 10$ ; E reaches 20 in 5 years;  $A = 17 + 5 = 22$ . (A) uses  $E = 16$ ; (C)  $E = 14$ ; (D)  $E = 13$  without the clue.

**Q24. (D) 2** (i) 83 true; (ii)  $D = 10 = F$  possible: true; (iii) false; (iv) false (gap can be 3). (A) rejects (i); (B) accepts (iv) from the middle squad only; (C) accepts (iii) and (iv)

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