

CLAT Community

daily QT

SECTIONAL TEST

111

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



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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

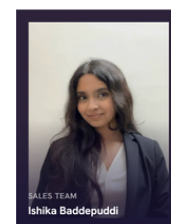
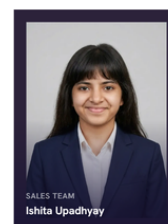
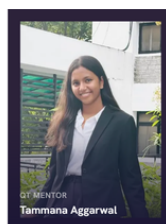
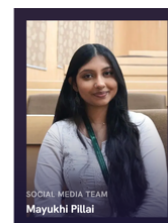
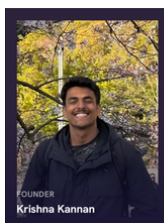
AND
MANY
MORE.

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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

At the Aranya Handmade Paper Collective in Kumaon, three artisans share the pulping floor. Priya, the most senior, can pulp a full batch alone in 30 days; working together, Priya and Kabir finish the same batch in 10 days. Below the pulping table sits a mixing vat fed by two bamboo-lined inflow channels — the coarser channel alone fills it in 8 hours, the finer one alone in 12 hours — and drained, for routine cleaning, by a single valve of unknown capacity. The collective pays a flat ₹9,000 for any batch completed jointly, split strictly in proportion to the work each artisan actually performs — never by the number of days each happened to show up. New apprentices are timed individually before being allowed to work solo, and once an apprentice's pace is fixed, it is treated as constant for the length of any job.

1. One month, Priya and Kabir work together on a batch for 4 days. Kabir then leaves for a family emergency, and Leela — a third artisan — steps in. Priya and Leela, working together from scratch, would finish a full batch in 20 days. Working together at that pace, how many more days do Priya and Leela need to complete the batch Kabir left behind?

- (A) 6 days
- (B) 8 days
- (C) 12 days
- (D) 20 days

2. One day, both inflow channels are opened together at 6:00 a.m. to fill an empty vat. At 8:00 a.m., the cleaning valve is also opened (and left open) by mistake. The vat still finishes filling at 2:00 p.m. that day. If the valve alone (with both channels shut) were used to drain a completely full vat, how long would it take?

- (A) 7.2 hours
- (B) 9 hours
- (C) 12 hours
- (D) 24 hours

3. This month's rush batch was started by Priya and Kabir together; after 4 days, Kabir was pulled onto another order and did not return, so Priya finished the remaining pulping alone.

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Once the batch was done and the flat ₹9,000 was ready to be split, how much should Kabir receive?

- (A) ₹1,385
- (B) ₹2,400
- (C) ₹4,500
- (D) ₹6,000

4. For a solo commission, Kabir works entirely alone at his usual pace for the first 9 days. On day 10, the collective installs a new fibre-beater that lifts his output rate by 50% for the rest of the job. How many days in total does Kabir need to finish this commission?

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

5. For an urgent export order, the collective's usual crew of 5 equally-skilled apprentices — who together take 18 days to finish a comparable order — must now finish in just 10 days. The only additional hands available are junior apprentices, each working at exactly half the pace of a regular apprentice. Keeping all 5 regular apprentices on the job at full pace, how many junior apprentices must be added to hit the 10-day deadline?

- (A) 4
- (B) 8
- (C) 9
- (D) 80

6. For a special heritage commission, Leela partners with two part-time helpers, Om and Tara, none of whom has worked together before on this scale. It is known that Leela and Om together would finish the commission in 20 days; Om and Tara together in 12 days; and Tara and Leela together in 15 days. Working entirely alone, how long would Tara need to finish the commission?

- (A) $6\frac{2}{3}$ days ($20/3$ days)
- (B) 12 days

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- (C) 20 days
- (D) 60 days

Passage 2

The Nandigram hill relief camp draws its water from a bore-well 20 km away, reached by a single winding road that climbs steadily the whole way — trucks labour uphill with a full load and coast back down empty, so loaded and unloaded speeds on this road are never equal. The camp's own reservoir, sunk into the hillside, develops a slow leak every monsoon and must be topped up faster than it drains. Two tankers currently run the route: a large one carrying 8,000 litres per trip, climbing loaded at 20 km/h and returning empty at 60 km/h; and a smaller one carrying 4,500 litres per trip, holding a steady 40 km/h in both directions on a shorter, gentler diversion it alone is licensed to use. Drivers are paid weekly from a shared bonus pool, in proportion to the water each tanker actually delivers.

7. On a trial run for a possible third contractor, a tanker climbs the same 20 km route loaded at a steady 30 km/h and returns empty by the same road. Over the complete round trip, its overall average speed works out to exactly 40 km/h. Find the tanker's return (empty) speed.

- (A) 35 km/h
- (B) 40 km/h
- (C) 50 km/h
- (D) 60 km/h

8. Every morning, Tanker 1 leaves the bore-well for the camp at 20 km/h, starting at 7:00 a.m. A relief jeep leaves the camp for the bore-well the same morning at 40 km/h, starting at 7:15 a.m., travelling the same 20 km road in the opposite direction. At what time do the tanker and the jeep cross each other?

- (A) 7:15 a.m.
- (B) 7:20 a.m.
- (C) 7:30 a.m.
- (D) 8:00 a.m.

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9. Every day, the camp's ration jeep leaves for the district depot at a fixed time and normally reaches right on schedule. One foggy morning its speed drops, and it ends up arriving 24 minutes late. Had it driven exactly 1.5 times as fast as it actually did that morning, it would have reached the depot 6 minutes early instead. Find the jeep's usual (scheduled) travel time for this route.

- (A) 30 minutes
- (B) 33 minutes
- (C) 60 minutes
- (D) 66 minutes

10. Tanker 1 (as described above) runs continuously back and forth between the bore-well and the camp, starting a fresh trip the moment it finishes the last. The reservoir starts completely empty and leaks steadily at 1,500 litres every hour throughout. Treating Tanker 1's deliveries as a continuous average rate, and with no other tanker yet running, how long after the reservoir starts filling will it first reach 45,000 litres?

- (A) 6 hours
- (B) 7.5 hours
- (C) $90/13$ hours (≈ 6.9 hours)
- (D) 10 hours

11. The camp now also puts Tanker 2 (as described above) into service on its own shorter route, running continuously alongside Tanker 1, both starting together into a completely empty reservoir that again leaks at 1,500 litres/hour throughout. Treating both tankers' deliveries as continuous average rates, how long will the reservoir now take to reach the same 45,000-litre mark?

- (A) $30/7$ hours (≈ 4.3 hours)
- (B) 3.75 hours
- (C) 5 hours
- (D) 10 hours

12. The two tankers' drivers share a joint weekly bonus of ₹18,000, split strictly in proportion to the total volume of water each tanker actually delivers that week — never by hours worked

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or number of trips alone. In a given week, Tanker 1 (8,000 L/trip; round trip $\frac{4}{3}$ hour, as established) is on the road for 20 hours, and Tanker 2 (4,500 L/trip; round trip 1 hour, as established) is on the road for 15 hours. How much of the ₹18,000 does Tanker 2's driver receive?

- (A) ₹6,480
- (B) ₹7,714
- (C) ₹9,000
- (D) ₹11,520



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ANSWER KEY

Passage 1 — Aranya Handmade Paper Collective (Time and Work)

Question 1

Correct answer: (C) 12 days

Question 2

Correct answer: (B) 9 hours

Question 3

Correct answer: (B) ₹2,400

Question 4

Correct answer: (C) 13 days

Question 5

Correct answer: (B) 8

Question 6

Correct answer: (C) 20 days

Passage 2 — Nandigram Hill Relief Camp (Time, Speed and Distance)

Question 7

Correct answer: (D) 60 km/h

Question 8

Correct answer: (C) 7:30 a.m.

Question 9

Correct answer: (D) 66 minutes

Question 10

Correct answer: (D) 10 hours

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Question 11

Correct answer: (C) 5 hours

Question 12

Correct answer: (A) ₹6,480



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