GATE

Weekly Test 02

All Branches

General Aptitude

Q1 A robber steals a Maruthi car at 2.30 pm and drives at 60 kmph. The theft is discovered at 3 p.m. and the owner sits in Police jeep running at 75 kmph. When will he catch the thief?

(A) 5:30 pm (B) 5:15 pm
(C) 5 pm (D) 5:45 pm

Q2 A and B can do a piece of work in 40 days while C & A can do it in 60 days. If B is twice as good as C, then C alone will do the work in _____ days.

(A) 120 (B) 100
(C) 80 (D) 24

Q3 A, B and C hired a car for ₹5200. They used it for 7, 8 and 11 hours respectively. Find the hire charges paid by C.

(A) ₹1100 (B) ₹1500
(C) ₹2200 (D) ₹1200

Q4 Traveling at a speed of 8 kmph a student reaches school from his house 10 minutes early. If he travels at 6 kmph, he is late by 20 minutes. Find the distance between the school and the house.

(A) 13 km (B) 1 km
(C) 10 km (D) 12 km

Q5 Mahendra goes to office at a speed of 7 km/hr and returns to his home at a speed of 4 km/hr. If he takes 22 hours in total, what is the distance between his office and home?

(A) 74 km (B) 45 km
(C) 56 km (D) 49 km

Q6 P works thrice as fast as Q, whereas P and Q together can work four times as fast as R. If P, Q, and R together work on a job, in what ratio should they share the earnings?

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

Q7 The time taken for a boat to cover certain distance in upstream is equal to the time taken by the boat to cover three times the distance in downstream. If the speed of current is 5 kmph, what is the speed of boat in still water?

(A) 14 kmph (B) 15 kmph
(C) 10 kmph (D) 19 kmph

Q8 In a race of 1000 meter, A beats B by 100 meter or 10 seconds. If they start a race of 1000 meter simultaneously from the same point and if B gets injured after running 50 meter less than half the race length and due to which his speed gets halved, then by how much time will A beat B?

(A) 50 seconds (B) 45 seconds
(C) 65 seconds (D) 60 seconds

Q9 If 12 engines consume 30 metric tonne of coal when each is running 18 h per day, then how much coal will be required for 16 engines, each running 24 h per day, it being given that 6 engines of former type consume as much as 8 engines of latter type?

(A) 40 tonne (B) 5 tonne
(C) 25 tonne (D) 10 tonne

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Q10 On an escalator which is moving upward at 5 steps per second, Rohan moves at a speed of 3 steps per second upward. If he takes 5 seconds less to reach up in comparison with moving on stationary escalator, then find the number of steps stationary escalator has.

(A) 16 (B) 20

(C) 32 (D) 24

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Answer Key

Q1	(C)	Q6	(A)
Q2	(A)	Q7	(C)
Q3	(C)	Q8	(C)
Q4	(D)	Q9	(A)
Q5	(C)	Q10	(D)