Aptitude Test 4

Time & Distance

Question 1:

Excluding the stoppages, the speed of the bus is 54 kmph and including stoppages, it is 45 kmph. For how many minutes does the bus stop per hour?

(A) 9
(B) 10
(C) 12
(D) 20

Question 2:

A train travels 50% faster than a car. Both start from point A at the same time and reach point B 75 kms away from A at the same time. On the way, however, the train lost about 12.5 minutes while stopping at the stations. The speed of the car is:

(A) 100 kmph
(B) 110 kmph
(C) 120kmph
(D) 130 kmph

Question 3:

A man goes uphill with an average speed of 35 km/hr and come down with an average speed of 45 km/hr. The distance travelled in both the cases being the same, the average speed for the entire journey is:

(A) $36\frac{3}{5}$ km/hr
(B) $38\frac{3}{5}$ km/hr
(C) $39\frac{3}{8}$ km/hr
(D) 40 km/hr

Question 4:

A car travelling with 5/7 of its actual speed covers 42 km in 1 hr 40 mins 48 sec. Find the actual speed of the car.

(A) $17\frac{6}{7}$ km/hr
(B) 25 km/hr
(C) 30 km/hr
(D) 35 km/hr

Question 5:

In a flight of 600 km, an aircraft was slowed down due to bad weather. Its average speed for the trip was reduced by 200 km/hr and the time of flight increased by 30 minutes. The duration of the flight is:

(A) 1 hour
(B) 2 hours
(C) 3 hours
(D) 4 hours

Question 6:

A man covered a certain distance at some speed. Had he moved 3 kmph faster, he would have taken 40 minute less. If he had 2 kmph slower, he would have taken 40 minutes more. The distance (in km) is:

(A) 35
(B) $36\frac{2}{3}$
(C) $37\frac{1}{2}$
(D) 40

Question 7:

Robert is travelling on his cycle and has calculated to reach point A at 2 P. M. If he travels at 10 kmph, he will reach there at 12 noon if he travels at 15 kmph. At what speed must he travel to reach A at 1 P. M.?

(A) 8 kmph
(B) 11 kmph
(C) 12 kmph
(D) 14 kmph

Question 8:

A train running between two towns arrives at its destination 10 minutes late when it goes at 60 kmph and 16 minutes late when it goes at 40 kmph. Determine the distance between the two towns.

(A) 12 km
(B) 20 km
(C) 18 km
(D) 24 km

Question 9:

A passenger train runs at the rate of 80 kmph. It starts from the station, 6 hours after a goods train leaves the station. The passenger train overtakes the goods train after 4 hours. The speed of goods train is:

(A) 22 km/hr
(B) 32 km/hr
(C) 45 km/hr
(D) 64 km/hr

Question 10:

If a person walks at 14 km/hr instead of 10 km/hr, he would have walked 20 km more. The actual distance travelled by him is:

(A) 50 km
(B) 56 km
(C) 70 km
(D) 80 km

Bonus Question:

Three persons are walking from a place A to another place B. Their speeds are in the ratio 4:3:5. The time ratio to reach B by these persons will be

(A) 4 : 3 : 5
(B) 5 : 3 : 4
(C) 15 : 20 : 12
(D) 15 : 24 : 19