Time and Distance Questions

1.Ekansh travels half of his journey by train at the speed of 120 km/hr and the rest half by car at 80 km/hr. What is the average speed?
   a. 45 km/hr
   b. 67 km/hr
   c. 78 km/hr
   d. 96 km/hr

2. A car running at 65 km/h takes one hour to cover a distance. If the speed is reduced by 15 km/hour then in how much time it will cover the distance ?
   a. 72 mins
   b. 78 mins
   c. 76 mins
   d. None of these

3. Excluding stoppages, the speed of a 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

4. Two trains running in opposite directions cross a man standing on the platform in 27 seconds and 17 seconds respectively . If they cross each other in 23 seconds, what is the ratio of their speeds?
   a. 1:3
   b. 3:2
   c. 3:1
   d. None of the these

5. In a kilometer race, A beats B by 100 meters. B beats C by 100 meters. By how much meters does A beat C in the same race ?
   a. 210 metres
   b. 200 metres
   c. 190 metres
   d. 180 metres

6. A man by motorcycle goes from Delhi to Manali , a distance of 192 km, at an average speed of 32 kmph. Another man starts from Delhi by car 2.5 h after the motorcyclist starts and reaches Manali half an hour late. What is the ratio of person on the motorcycle to the person going by car ?
   a. 1:2

b. 2:3
c. 10:27
d. 5:4

7. Two trains are running in opposite directions with the same speed. If the length of each train is 135 metres and they cross each other in 18 seconds, the speed of each train is?
   a. 29 km/hr
   b. 35 km/hr
   c. 27 km/hr
   d. None of the above

8. A train can travel 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 km/hr
   b. 110 km/hr
   c. 120 km/hr
   d. 130 km/ hr

9. The distance between two cities A and B is 330 km. A train starts from A at 8 a.m. and travels towards B at 60 km/hr. Another train starts from B at 9 a.m. and travels towards A at 75 km/hr. At what time do they meet?
   a. 7: 00 am
   b. 10:00 am
   c. 11:00 am
   d. 8:00 am

10. Raj started cycling along the boundaries of a square field from cover point A. After half an hour he reached the corner point C, diagonally opposite to A. if his speed was 8 km/hr, what is the area of the field in square km-
   a. 8 km
   b. 64 km
   c. 6 km
   d. Cannot be determined