

BHARATH COACHING CENTRE

7th CBSE

Science

Total : 35

Motion and Time

Time: 2.00 hrs

SECTION – A

$$5 \times 1 = 5$$

1. The basic unit of speed is _____.
2. A faster moving object covers _____.
3. If the object moving along a straight line, keep changing its speed then _____.
4. Which of the following relations is correct _____?
5. 72 km/hr is converted into _____ m/s.

SECTION – B

$$5 \times 2 = 10$$

6. A car moves with a speed of 40 km/hr for 15 minutes and then with a speed of 60 km/hr for the next 15 minutes. Find the total distance covered by the car?
7. Define motion and its types.
8. Define speed and its types.
9. A car covers 20 km in the first hour and covers 30 km in the four hours. Find its average speed?
10. Define oscillatory motion.

SECTION – C

$$4 \times 5 = 20$$

11. The odometer of a car reads 57321 km when the clock shows the time 8.30 AM. What is the distance moved by the car, if at 8.50 AM, the odometer reading has changed to 57336 km. Calculate the speed of the car in km/hr during the time. Express the speed in km/hr also.

12. Salma takes 15 minutes from her house to reach her school on a bicycle. If the bicycle speeds of 2m/s , calculate the distance between her house and school.
13. Explain about simple pendulum with diagram.
14. A simple pendulum takes 32sec to complete 20 oscillations. What is the time period of the pendulum?

BHARATH