

Answer Sheet

General Section

Q1: If an object is moving with constant velocity, its acceleration is zero.

Q2: Speed is the rate at which an object covers distance, while velocity is the rate at which an object covers

Q3: A body is said to be in uniform motion when its velocity is constant.

Q4: Acceleration is the rate of change of velocity of an object.

Q5: Average speed = Distance / Time = $100\text{m} / 4\text{s} = 25\text{ m/s}$

Q6: The motion of an object is considered non-uniform when its velocity changes with time.

Q7: The SI unit of acceleration is m/s.

Q8: Yes, the distance and magnitude of displacement can be equal if the object moves in a straight line with

Q9: A speedometer in a car measures the instantaneous speed of the car.

Q10: An object falling freely under gravity is an example of uniform accelerated motion.