



NOIDA PUBLIC SCHOOL
A-78, Sector-23, Noida
Affiliation No.2130200
Session : 2023 - 2024
CLASS – IX (PHYSICS)
PT-1 WORKSHEET -1



1. Draw distance v/s time graph for a body
(i) at rest (ii) uniform motion (iii) uniform accelerated motion.
2. How can you predict acceleration by velocity-time graph of a body?
3. Define retardation with SI unit.
4. Write down equation of motion for a body
(i) distance travelled in t time (ii) distance travelled in n^{th} second.
5. What does (i) speedometer (ii) odometer of a vehicle?
6. Ram starts his car at 10 am from his home and the reading of odometer was 2340 km. At 11:30 am he reaches his destination and the reading of odometer recorded as 2430 km. Calculate average speed of his journey?
7. Write down one example each of one dimensional, two dimensional and three dimensional motion.
8. A car starts from rest and attains a velocity of 40 m/s in 5 seconds. Calculate its acceleration.
9. A farmer rounds his field of dimensions 50x30 meters. If he completes 4 rounds in half an hour. Calculate his (i) average speed (ii) average velocity?
10. Define uniform circular motion. How (i) velocity and acceleration (ii) force and velocity are inclined with each other?