



Purnata International School

Shree Swaminarayan Gurukul, Zundal

Class – IX (Physics)

Worksheet

Fill in the blanks:

1. When s-t graph is parallel to x-axis, the body is_____.
2. When v-t graph is parallel to x-axis, the body is_____.
3. The slope of v-t graph for a body in uniformly accelerated motion is_____.
4. The slope of displacement-time graph for a car parked in a parking area is_____.
5. Acceleration is a_____ quantity

True/False:

6. Velocity of an object in uniform circular motion is constant.
7. A car moving on a crowded road with a number of traffic red signals is in non-uniform motion.
8. Displacement of a body can be positive or zero, but never negative.
9. Angular displacement is measured in radians.
10. A freely falling body is uniformly accelerated.

Write the following Question Answers :

11. An object has moved through a distance. Can it have zero displacement? If yes, support your answer with an example.
12. Which of the following is true for displacement?
 - (a) It cannot be zero.
 - (b) Its magnitude is greater than the distance travelled by the object.
13. Distinguish between speed and velocity.