

Worksheet

Practice. Learn. Succeed

Sub : Science

Grade: IX

Date:

Name:

ID No.....

Tick the Choice Question

1. **Inertia is the property by virtue of which the body is**
 - a. unable to change by itself the state of rest only
 - b. unable to change by itself the direction of motion only
 - c. unable to change by itself the state of uniform linear motion only
 - d. unable to change by itself the state of rest and of uniform linear motion
2. **Passengers standing in a bus are thrown outwards when the bus takes a turn suddenly. This happens because of**
 - (a) outward pull on them
 - (b) inertia
 - (c) change in momentum
 - (d) change in acceleration
3. **A force of 5N acts on a body of weight 9.8N. What is the acceleration produced in m/s?**
 - (a) 49.00
 - (b) 5.00
 - (c) 1.46
 - (d) 0.51
4. **Newton's second law gives a measure of**
 - (a) acceleration
 - (b) force
 - (c) momentum
 - (d) rate of motion
5. **Mass is given by the relation**
 - (a) velocity/acceleration
 - (b) force/velocity
 - (c) force/acceleration
 - (d) distance/velocity