

**INDIAN SCHOOL SOHAR**  
**FORMATIVE ASSESSMENT-2 MCQ**  
**SUBJECT: SCIENCE**  
**CLASS:-IX SEC:-**

**SET:-3**

**NAME:-** \_\_\_\_\_

**ROLL NO:-** \_\_\_\_\_

**DATE:-**

**MARKS:-10**

---

**I. CHOOSE THE APPROPRIATE ANSWER FROM THE OPTIONS GIVEN BELOW:**

1. SI Unit of force is?  
a) Newton/m      b) Joule/m      c) Kg/ms<sup>2</sup>      d) Watt/hr
2. What is the momentum of an object of mass  $\frac{1}{2}(m)$ , moving with a velocity  $2v$ ?  
a)  $\frac{1}{2}(mv)$       b)  $mv$       c)  $(mv)^2$       d) 0
3. Which of these about action reaction forces, is not true?  
a) equal in magnitude      b) opposite in direction  
c) always produces equal accelerations      d) act on different objects
4. When no force is applied on an object, for whatever time taken, the initial velocity is always equal to?  
a) infinite      b) force      c) momentum      d) final velocity
5. A force of  $7\text{kg/ms}^2$  acts on a body of mass 1kg. Calculate the acceleration produced.  
a)  $10\text{m/s}^2$       b)  $8\text{m/s}^2$       c)  $7\text{m/s}^2$       d)  $1\text{m/s}^2$
6. If a set of forces acting on an object are balanced, then the object  
a) must be at rest      b) must not be accelerating      c) cannot be seen      d) must be moving
7. A batsman hits a cricket ball which then rolls on a level ground. After covering a short distance, the ball comes to rest. The balls slows to a stop, because?  
a) the batsman did not hit the ball hard enough.      b) there is no unbalanced force on the ball.  
c) there is a force on the ball opposing the motion.      d) velocity is proportional to the force exerted.