INDIAN SCHOOL SOHAR
FORMATIVE ASSESSMENT-2 MCQ SET:-1
SUBJECT: SCIENCE
CLASS:-IX SEC:-

NAME:-_____ ROLL NO:-___
DATE:- MARKS:-10

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

1. What is the momentum of an object of mass m, moving with a velocity v?
   a) mv b) ½(mv) c) mv^2 d) 0
2. A spring balance reads 20N as it pulls a 4.0 kg object across a table. What is the magnitude of force exerted by object on spring balance?
   a) 40N b) 0N c) 20N d) 4N
3. 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.
4. "Force always occurs in pairs". From which law can we conclude the above statement?
   a) Newton's first law b) Newton's second law c) Newton's third law d) law of gravitation
5. Which of the following is not used to reduce friction?
   a) making scratches on the contact surfaces. b) using grease between contact surfaces
   c) using ball bearings d) using oil between contact surfaces
6. If the set of forces acting on an object are balanced, then the object
   a) must be at rest b) must be moving c) must not be accelerating d) cannot be seen
7. According to the law of Conservation of Momentum:
   a) m1u1+m2u2 = m1v1+m2v2 b) m2u1+m1u2 = m1v2+m2v1
   c) m2v2+m2u2 = m1u1+m1v1 d) m1u1+m2v2 = m1v1+m2u2