STD --- X-- SCIENCE

LAWS OF MOTION

---- CHOOSE THE CORRECT ANSWER

1. Inertia of a body depends on

   a) weight of the object b) mass of the object

   c) acceleration due to gravity of the planet d) Both a & b

2. In which of the following sport the turning of effect of force used

   a) swimming b) tennis

   c) cycling d) hockey

3. Newton's III law is applicable

   a) for a body is at rest b) for a body in motion

   c) both a & b d) only for bodies with equal masses

4. If the Earth shrinks to 50% of its real radius its mass remaining the same, the weight of a body on the Earth will

   a) decrease by 50% b) increase by 50%

   c) decrease by 25% d) increase by 300%

5. Impulse is equals to

   a) rate of change of momentum b) rate of force and time

   c) change of momentum d) rate of change of mass
