

I. Choose the correct answer.

1. The inertia of a body depends on ____ .

- (a) weight of the object (b) acceleration due to gravity of the planet
(c) mass of the object (d) Both a & b.

2. 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

3. Newton's III law is applicable to ____ .

- (a) for a body is at rest (b) for a body in motion
(c) both a & b (d) only for bodies with equal masses.

II. DRAG AND DROP

Mass	Weight
The quantity of matter contained in the body	The gravitation force exerted on it due to the Earth's gravity alone.
Constant at all the places	Unit: N

Vector quantity

Scalar quantity

Variable with respect to gravity.

Unit: Kg