

FORCE

1. The forces acting on a book which is kept on the table ()
A) Tension force, gravitational force B) Gravitational force, force of friction
C) Normal force, gravitational force D) Normal force, tension force

2. Tightness of a rope or a string is called ()
A) Normal force B) Tension force
B) Gravitational force D) Magnetic force

3. The effect of the normal force and tension on a object is ()
A) equal B) opposite
C) equal and opposite D) no effect

1. Direction of friction force is ()
A) Downwards B) Direction of applied force
C) Upwards D) Opposite to the direction of motion of the body

2. A book is kept stationary on a table. Normal force on it is suspended by ()
A) Muscular force B) Tension force
C) Magnetic force D) Gravitational force

3. 3. If $F_1 = 8\text{N}$ and $F_2 = 7\text{N}$ act on a body in opposite direction. F_{net} is ()
A) 4N B) 6N C) 10N D) 1N

1. The two forces $F_1 = 3\text{N}$ and $F_2 = 7\text{N}$ act on a body in the same direction. The net force acting on the body (F_{net}) = ()
A) 4N B) 6N C) 10N D) 21N

2. When two equal forces are acting on a body in opposite direction ()
A) The body moves rapidly. B) The body does not move.
C) The body moves slowly D) The body moves in upward direction.

3. The sign of the force that acts towards right side of Y- axis is ()
A) > B) + C) - D) <

4. Force has ()
A) Magnitude B) no units
C) Direction D) Magnitude and direction

1. When the forces are acting on a body are equal in magnitude but opposite in direction, the body (state) ()
A) Moves front B) Moves back C) Remains stationary D) moves up

2. When two forces act in the same direction, the resultant force is = ()
A) Difference of the forces. B) Sum of the forces.
C) Product of the forces. D) Zero (net force).

3. S.I. unit of pressure is ()
A) Kg/m^3 B) Kg/m^2 C) Kg/m^{-2} D) Kg/m

4. Pressure exerted at the tip of a needle, when force is increased on it ()
A) Increases B) decreases C) zero D) no change