

1. Opening a door is an example of
(a) Contact force (b) Non-contact force (c) Gravitational force (d) Magnetic force
2. Weight of a body depends upon
(a) The mass of the body (b) Gravitational force
(c) both (a) and (b) (d) neither (a) nor (b)
3. How will you identify if a force is acting on a moving object?
(a) The object speeds up (b) the object changes direction
(c) the object changes shape (d) all the above
4. The unit of measurement of Pressure is:
(a) N/m^2 (b) Pa (c) both a and b (d) newton
5. An apple falling from a tree after ripening is an example of force.
(a) Muscular (b) friction (c) gravitational (d) magnetic
6. If a force of 200N acts on an area of 10 m^2 , the pressure equals
(a) 20 Pa (b) 2000 Pa (c) 20 N/m^2 (d) both a & c
7. Two forces A and B pull an object in opposite directions. A is bigger than B. The net force on the object is
(a) $A + B$ acting in the direction of A (b) $A - B$ acting in the direction of A
(c) $A + B$ acting in the direction of B (d) $A - B$ acting in the direction of B
8. A force of 10 N acts on an area of 0.1 m^2 . The force is kept the same but the area is reduced to half. Which of the following is true?
(a) The pressure does not change (b) The pressure reduces to half
(c) The pressure increases by 1.5 times (d) The pressure doubles
9. The cutting edge of a butter knife is blunt because:
(a) wider cross-sectional area decreases pressure
(b) we do not require more pressure to cut through soft butter
(c) both a and b are true
(d) none of the above
10. Pressure exerted by the liquid
(a) Increases with depth (b) Decreases with depth
(c) Remains the same always (d) Depends on the shape of container
11. The force between two charged bodies is called
(a) muscular force (b) gravitational force (c) magnetic force (d) electrostatic force
12. When two forces act in opposite directions, then net force acting is
(a) sum of two forces (b) difference between two forces
(c) both of (a) and (b) (d) none of these
13. A dropper to fill ink works because of which of the following?
(a) Friction (b) Magnetic force (c) Air pressure (d) Electrostatic force

14. The magnet is stronger near the
(a) poles of the magnet (b) ends of magnet
(c) centre of the magnet (d) one quarter point from the poles of the magnet
15. When a body is thrown up, the force of gravity is
(a) in upward direction (b) in downward direction
(c) zero (d) in the horizontal direction.



ANSWER KEY

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| 1. (a) | 2. (c) | 3. (d) | 4. (c) |
| 5. (c) | 6. (d) | 7. (b) | 8. (d) |
| 9. (c) | 10. (a) | 11. (d) | 12. (b) |
| 13. (c) | 14. (a) | 15. (b) | |