

C. Answer in One Word or a Few Words

C1. Fill in the blanks.

1. If the same force is made to act on a larger area, then the pressure will _____.
2. When two or more forces act in the same direction, the resultant force is the _____ of all forces applied.
3. To stop a moving body, you apply force on it in a direction _____ to the direction of its motion.
4. The pressure of liquid column _____ with the depth of the column.
5. Weight of an object is the _____ force of the _____ acting on the object.
6. The use of skis helps a person to slide smoothly over snow because the skis _____ the area over which the weight of the person acts.
7. Construction workers use _____ force when they carry bricks.
8. The standard unit of pressure is _____.

C2. State whether the following statements are True (T) or False (F).

1. A push or pull acting on a body is called pressure. []
2. A charged body attracts another charged or uncharged body because of electrostatic force. []
3. A ball rolling along the ground comes to rest because of gravitational force. []
4. Non-contact forces need no physical contact between two objects to be effective. []
5. Liquids exert pressure in one direction only. []
6. The atmospheric pressure of a place reduces at higher altitudes. []

C3. Match the two columns.

Column A

1. Newton
2. Connector
3. Gravity
4. Atmospheric pressure
5. Pascal
6. Magnetic force

Column B

- (i) The force with which the earth attracts things
- (ii) The standard unit of pressure
- (iii) The force exerted by a magnet on an iron nail
- (iv) The standard unit of force
- (v) A piece of rope
- (vi) The pressure exerted by the weight of the air