

# St. Andrews Scots Sr. Sec. School

9th Avenue, I.P. Extension, Patparganj, Delhi – 110092

Session: 2023-2024 - Worksheet

**Class: VIII**

**Subject: Science**

**Chapter: Force and Pressure**

## Q.1. Define these terms:

- a) Barometer
- b) Manometer
- c) Unbalanced forces

## Q.2.Fill in the blanks:

- a) The body at rest is called \_\_\_\_\_ body.
- b) The strength of a force is usually expressed by its \_\_\_\_\_.
- c) \_\_\_\_\_ force is the force resulting due to the action of muscles.
- d) Force of friction is an example of \_\_\_\_\_ force.
- e) We apply force on \_\_\_\_\_ while walking.

## Q.3.State whether the given statements are true or false.

- a) Force applied on an object in opposite directions add to one another.
- b) Pressure does not depend on area of contact.
- c) Muscular force is also known as contact force.
- d) Pascal is the unit of force.
- e) To move an object faster it has to be pushed or pulled repeatedly.

## Q.4. Answer in one word:

- a) What is the name of the instrument used to measure atmospheric pressure?
- b) Name the force exerted on a ball of dough to make a flat chapati.
- c) What kind of force is an electrostatic force?
- d) What is a pull or a push acting on a body called?
- e) What is the SI unit of pressure?

**Q.5. Answer the following questions:**

- a) Why are iron rails of railway track fixed over wide wooden or concrete sleepers?
- b) Why is a person's weight on Jupiter three times more than that on the earth?
- c) Explain why water comes out slowly from an upstairs' tap than from a similar tap downwards.
- d) In a bullock-cart, each of the two bullocks pull with a force of 1500 N. Find the resultant force.
- e) A rocket has been fired upwards to launch a satellite in its orbit. Name two forces acting on the rocket immediately after leaving the launch pad.
- f) Ramesh's mother emptied a polypack of pulses into a container, some of the pulse grains got stuck to the polythene and did not fall in the container. Give reason.