





Class: VIII	SCIENCE	
Worksheet No:11	Topic: Chapter 11: Force and pressure	Type: (MCQ/SAQ/LAQ/Basic Understanding)

Q.No	Question
	Section A (MCQ)
1	<p>In Fig, two boys A and B are shown applying force on a block. If the block moves towards the right, which one of the following statements is correct?</p>  <p>(a) Magnitude of force applied by A is greater than that of B. (b) Magnitude of force applied by A is smaller than that of B. (c) Net force on the block is towards A. (d) Magnitude of force applied by A is equal to that of B.</p>
2	<p>In the circuit shown in Fig., when the circuit is completed, the hammer strikes the gong. Which of the following force is responsible for the movement of hammer?</p>  <p>(a) gravitational force alone (c) magnetic force alone (b) electrostatic force alone (d) frictional force alone</p>
3	<p>Fig. shows a container filled with water. Which of the following statements is correct about pressure of water?</p>

	<p>(a) Pressure at A > Pressure at B > Pressure at C (b) Pressure at A = Pressure at B = Pressure at C (c) Pressure at A < Pressure at B > Pressure at C (d) Pressure at A < Pressure at B < Pressure at C</p>
4	<p>Two objects repel each other. This repulsion could be due to</p> <p>(a) frictional force only (b) electrostatic force only (c) magnetic force only (d) either a magnetic or an electrostatic force</p>
5	<p>Which one of the following forces is a contact force?</p> <p>(a) force of gravity (c) magnetic force (b) force of friction (d) electrostatic force</p>
6	<p>A water tank has four taps fixed at points A, B, C, D as shown in Fig. The water will flow out at the same pressure from taps at</p> <p>(a) B and C (c) C and D (b) A and B (d) A and C</p>
Section B (2 marks)	
7	<p>Fig. shows a man with a parachute. Name the force which is</p>



	responsible for his downward motion. Will he come down with the same speed without the parachute?
8	Two thermocol balls held close to each other move away from each other. When they are released, name the force which might be responsible for this phenomenon. Explain.
9	A man is pushing a cart down a slope. Suddenly the cart starts moving faster and he wants to slow it down. What should he do?
10	Two persons are applying forces on two opposite sides of a moving cart. The cart still moves with the same speed in the same direction. What do you infer about the magnitudes and direction of the forces applied.
11	Fruits detached from a tree fall down due to force of gravity. We know that a force arises due to interaction between two objects. Name the objects interacting in this case.
Section C (3 marks)	
12	An archer shoots an arrow in the air horizontally. However, after moving some distance, the arrow falls to the ground. Name the initial force that sets the arrow in motion. Explain why the arrow ultimately falls down
13	<p>Observe the vessels A, B, C and D shown in Fig. carefully.</p> <p style="text-align: center;">300 mL 50 mL 500 mL 60 mL A B C D</p> <p>Volume of water taken in each vessel is as shown. Arrange them in the order of decreasing pressure at the base of each vessel. Explain</p>
14	<p>Two rods of the same weight and equal length have different thickness. They are held vertically on the surface of sand as shown in Fig. Which one of them will sink more? Why?</p>