



ASSIGNMENT NO. 2

SUBJECT: SCIENCE

CLASS-VIII

MAY'2025

Chapter- 8 Force and Pressure

1. Choose the correct option:

- i. Which of the following is an example of a non-contact force?
 - a) The force exerted by us to lift a bucket
 - b) push a stationary car
 - c) The force exerted by magnets
 - d) Force due to friction
- ii. 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?
 - a) The magnitude of force applied by A is greater than that of B.
 - b) The magnitude of force applied by A is smaller than that of B.
 - c) The net force on the block is towards A.
 - d) The magnitude of force applied by A is equal to that of B.

2. In each of the following questions, two statements are given- one labeled Assertion (A) and the other labeled Reason (R). Select the correct answer to these questions from the codes (a), (b), (c) and (d) as given below:

- a) Both A and R are true, and R is correct explanation of the assertion.
 - b) Both A and R are true, but R is not the correct explanation of the assertion.
 - c) A is true, but R is false.
 - d) Both assertion and reason are false.
- (i) **Assertion:** Apple falls on the ground due to gravitational force.
Reason: Gravitational force is a contact force.
 - (ii) **Assertion:** Magnetic force is non-contact force.
Reason: Unlike poles of magnet attracts each other.

3. Answer the following questions:

1. What are the effects of force in our daily life?
2. 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.
3. Differentiate between contact and non-contact forces.
4. In a bullock-cart, each of the two bullocks pull with a force of 1500 N. Find the resultant force.
5. 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.