

# Question Paper

## Topic 1: Mechanics

Q1. What is the unit of force in the SI system?

- A) Newton
- B) Kilogram
- C) Meter
- D) Joule

Answer: A) Newton

Explanation: The unit of force in the SI system is the Newton (N), named after Sir Isaac Newton.

Q2. What is the term for the resistance an object has to a change in its state of motion?

- A) Inertia
- B) Gravity
- C) Friction
- D) Acceleration

Answer: A) Inertia

Explanation: Inertia is the term for the resistance an object has to a change in its state of motion, as described by Newton's First Law of Motion.