1. What are the fundamental differences between scalar and vector quantities?
2. Explain the three laws of motion formulated by Sir Isaac Newton.
3. Define and differentiate between gravitational force and electrostatic force.
4. Describe the concept of work and its relation to energy.
5. Explain the term 'refraction of light' and provide examples from daily life.
6. Elaborate on the difference between series and parallel circuits.
7. Define sound waves and their propagation through different mediums.
8. What is the role of a concave lens in optical devices?
9. Discuss the effects of force on an object's motion with suitable examples.
10. Explain the laws of reflection of light using a mirror as an example.