

1. Friction always:

- a) Helps motion
- b) Opposes motion
- c) Increases speed
- d) None

2. Which force attracts objects towards Earth?

- a) Magnetic
- b) Gravitational
- c) Electrostatic
- d) Friction

3. Force is:

- a) Only push
- b) Only pull
- c) Push or pull
- d) None

Assertion–Reason (1 mark each)

4. A: Balanced forces cause motion.

R: Balanced forces have no net effect.

5. A: Magnetic force needs contact.

R: It can act without contact.

Case Study (4 marks)

A football player kicks a ball, changing its speed and direction.

- a) Which type of force is applied?
- b) Name two effects of force seen here.
- c) Is this contact or non-contact force?
- d) What will happen if an equal force is applied in the opposite direction at the same time?

2-Mark Questions

- 6.** Define electrostatic force.
- 7.** Name two examples of gravitational force in daily life.
- 8.** Explain how gravity affects our daily life.

3-Mark Questions

- 9.** Explain how friction is helpful in walking.
- 10.** Give three examples of non-contact forces.

4-Mark Question

- 11.** Draw and explain the effects of force with four labelled examples.

