

## Questions

Q Explain the classification of force on the basis of its application.

Ans: Depending upon the application of forces, they are classified in two categories;

1. Contact force

2. Non contact force.

1. Contact force: The force which acts on bodies by making an actual contact, is called contact force.

2. Non-contact force: Forces which act on bodies with no contact with them are called non-contact forces or forces from distance.

Q What do you mean by contact forces? Give some examples.

Ans: Contact force: The force which acts on bodies by making an actual contact is called contact force.

Examples: The force of tension in a string when a load is suspended from it.

Q List the types of non-contact forces.

Ans: The types of non-contact forces: Gravitational force, Electrostatic force, magnetic force.

Q Explain Electrostatic force.

Ans: Electrostatic force is the force that exists between electrically charged particles or objects at rest.