

Keynotes : Force is push or pull. It is a scalar quantity . It can change or tends to change state of rest /motion or shape and size of the object. Some forces are contact forces and some are non contact. Force acting perpendicular to the surface (thrust) per unit area is called pressure.

A. Multiple Choice Question:

- 1. What is force?
a. pull b. push c. push and pull both d. none of these
- 2. What is state of motion?
a. position of rest b. position of motion c. both by the state of rest or motion
d. none of these
- 3. The strength of force is expressed by?
a. weight b. mass c. magnitude d. longitudinal force
- 4. The force between two charged bodies is called
a. muscular force b. gravitational force c. magnetic force d. electrostatic force
- 5. When two forces act in opposite directions, then net force acting two forces
a. sum of two factors b. difference between two factors
c. both of these d. none of these
- 6. Magnetic force is
a. contact force b. non-contact force c. both a and b d. none of these
- 7. Force acts on an object may change
a. direction b. shape c. speed d. all of above
- 8. Leaves or fruits fall on the ground due to
a. magnetic force b. gravitational force c. electrostatic force d. muscular force

B. Answer the following questions:-

1. What do you meant by pressure?

Ans:

2. What is electric force? Why is it called non-contact force?

Ans:.....
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C. Fill in the blanks

- 1. To stretch the bow, the archer applies a force that causes a change in its _____.
- 2. The force applied by the archer to stretch the bow is an example of _____ force.
- 3. The type of force responsible for a change in the state of motion of the arrow is an example of a _____ force.
- 4. While the arrow moves towards its target, the forces acting on it are due to _____ and that due to _____ of air.
- 5. To draw water from a well we have to _____ at the rope.
- 6. A charged body _____ an uncharged body towards it.
- 7. To move a loaded trolley we have to _____ it.
- 8. The north pole of a magnet _____ the north pole of another magnet.
- 9. Force isquantity.
- 10. Spring Balance measures theof the body.