

B Short Answer Q/Anc -

1) Force is Push or Pull that act on object are called Force.

→ The S.I unit of force is Newton.

2) i) A force can move a stationary object.
ii) A force can stop a moving object.

3) a) When force is applied, the constituent molecule's doesn't move and the Dimensions also.

b) When force is applied in a non-rigid body the constituent molecules and dimensions also move so, the object gets moved.

4) a) In, the (a) diagram the ball go forward and then rotate as the force is applied in middle through Pivot.

b) In, the (b) diagram the ball will rotate upward as the force is applied downward and Ball gets rotated in Pivot.

- Q) The perpendicular distance from an axis to the line of action of a force
- Q) The S.I unit of moment of force is
Newton \times Metre