

## SECTION-A

## I. Very short answer type:

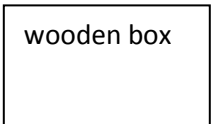
1. Give two examples for each a) contact force b) Non-contact force?
2. Define muscular force?
3. Write any two methods in reducing friction?
4. Define frictional of force?

## II. short answer type:

1. Why cant we walk fast wearing a sharp-pointed heel when compared to a foot wear with flat sole? explain?
2. Explain why sports person use shoes with spiakes?
3. a) Define the term pressure and write its S.I units?  
b) If the force applied is ION and area on which it is applied is 5m what is the pressure applied?

## III. Long answer type:

1. A black smith hammers ahot piece of iron while making a tool. explain how does the force due to hammering effects the piece of iron?

2.  identify the forces acting on it and mark the directions?

3. Imagine if friction is vanished ? How would your life get affected.Give 5 reasons ?