

Worksheet - 4

Subject: - Science

Class: - VIII

Teacher: - Mrs. Sandhya Sood

Name: _____ Class & Sec: _____ Roll No. _____ Date: 09.04.2020

- 1) Define force.
- 2) Why is force considered a vector quantity?
- 3) What is magnetic force? How does it attract?
- 4) Differentiate between contact and non-contact forces.
- 5) What is electrostatic force?
- 6) What are the two factors on which the effect of force depends?
- 7) Define pressure and write its formula. What is the unit of pressure?
- 8) What are the various effects of force?
- 9) Why are we not crushed under the weight of atmospheric pressure?
- 10) What are the factors that affect atmospheric pressure?
- 11) What is gravitational force?
- 12) Differentiate between mass and weight.
- 13) Why does the weight of an object on moon appears to be less than that of the earth?
- 14) What are the various laws related to liquid pressure?
- 15) Why does a person suffers nose bleeding at a certain height?
- 16) Write a short note on friction.
- 17) In which direction should we apply the force for the following cases? —
 - (a) To slow down or stop a moving object.
 - (b) To make a moving object move faster or to move the object from rest.
- 18) Define a pressure gauge with example.
- 19) Give reason: Deep sea divers have to wear special suits.
- 20) Why cutting and piercing tools have sharp blades?