WORKSHEET NO – 5

NAME :
GRADE:
CLASS : VI
SUB: PHYSICS
CHAPTER: FORCE AND PRESSURE
DATE:

1. If Ravi pulls a cart by applying force 300 newton and Deepak pulls with a force of 200 newton. What will be the net resultant force.

2. An elephant weighing 40,000 newton stands on one foot of area 1000 m^2(=1/10 m^2). What pressure is exerted on the ground?

3. What is the pressure exerted by a girl weighing 400 newton standing on one `stiletto` heel of area 1cm^2(=1/10,000 m^2)?

4. Compare the answers of question 2 and 3, which exerts more pressure per unit volume and why? Explain.

5. What is the magnitude of force required in newtons to produce a pressure of 26500 Pa on an area of 100 cm^2 ?

6. A force of 100 newton can produce a pressure of 100,000 Pa. Calculate the area in cm^2 on which the force acts.