BHARATH COACHING CENTRE

8th CBSE	Force and Pressure	Total: 45
Science		Time: 2.00 hrs

SECTION – A   10 × 1 = 10

1. SI unit of force is _____
2. SI unit of pressure is _____
3. The force exerted by every object in the Universe is called as _____
4. Force is defined as _____ or _____
5. North and south pole of the magnet _____ each other.
6. Atmospheric pressure is high in mountains. (True/False)
7. Friction always acts _____ to the direction of motion of object.
8. Porter places thick rolled cloth on his head to reduce _____
9. As the rocket is fired from launch pad, two forces act on it. Name them.

SECTION – B   5 × 2 = 10

10. What are the factors that pressure exerted by liquid depend on?
11. The pressure experienced by the body of 5 m^2 is 50 Pa. What is the amount of force acting on it?
12. Define Pressure.
13. Define Muscular Force.
14. Write the two forces that we are always experiencing in our life.

SECTION – C   3 × 3 = 9

15. Sharp axe cuts better than blunt axe. Explain.
16. What is atmospheric pressure? Why are we not crushed by it?
17. Write the types of contact and non- contact forces.

SECTION – D   4 × 4 = 16

18. When we exert force on an object it experiences some changes. List the changes that force can bring to an object.
19. Determine the pressure when force of 200 N acts on area of (a) 20 m^2 (b) 8 m^2
20. Differentiate contact and non-contact forces.
21. What is net force? What are the conditions for net force?