



**Octahedral classes, kharadi**  
2nd floor, yashwant plaza, near bank of India,

**Class 08 - Science**  
**force pressure and friction**

**Maximum Marks: 30**

**Time Allowed: 1 hour and 30 minutes**

**Section A**

1. Name the force due to which every object falls on the earth. 1
2. How can we increase the pressure by exerting same force? 1
3. Name the force responsible for the wearing out of bicycle tyres. 1
4. What kind of force is an electrostatic force? 1
5. When we press the bulb of a dropper with its nozzle kept in water, air in the dropper is seen to escape in the form of bubbles. Once we release the pressure on the bulb, water gets filled in the dropper. The rise of water in the dropper is due to - 1
  - (a) pressure of water
  - (b) gravity of the earth
  - (c) shape of rubber bulb
  - (d) atmospheric pressure.
6. What is used to reduce friction in machines where lubrication are not advisable? 1
7. Does the use of ball bearing reduce or increase friction. 1
8. Explain why sportsman use shoes with spikes. 1
9. Can we eliminate friction completely? 1
10. We know that there is a huge amount of atmospheric pressure on us. But we do not experience its effects why? 2
11. How does an applied force changes the speed of an object? 2
12. On what factors does the effect of forces depends? 2
13. What is static and sliding friction? 3
14. What are the factors on which frictional force depends in fluids? 3
15. Define force. Give examples of force in everyday life. 3
16. Write a short note on electrostatic force with examples. 3
17. What is static and sliding friction? 3

