

**Subject:- Science**

**Class- VIII**

**FORCE AND PRESSURE**  
**MULTIPLE CHOICE QUESTIONS**

**Chapter 11**

**Choose the correct options:**

- 1. What is force?**
  - a. pull
  - b. push
  - c. push and pull both
  - d. none of these
- 2. What is state of motion?**
  - a. position of rest
  - b. position of motion
  - c. both by the state of rest or motion
  - d. none of these
- 3. The strength of force is expressed by?**
  - a. weight
  - b. mass
  - c. magnitude
  - d. longitudinal force
- 4. The force between two charged bodies is called-----**
  - a. muscular force
  - b. gravitational force
  - c. magnetic force
  - d. electrostatic force
- 5. When two forces act in opposite directions, then net force acting two forces:**
  - a. sum of two factors
  - b. difference between two factors
  - c. both of these
  - d. none of these

6. Magnetic force is
- contact force
  - non-contact force
  - both a and b
  - none of these
7. Force acts on an object may change
- direction
  - shape
  - speed
  - all of above
8. Leaves or fruits fall on the ground due to
- magnetic force
  - gravitational force
  - electrostatic force
  - muscular force
9. Which one of these characteristics does a smooth surface has?
- Less frictional force
  - More frictional force
  - Sometimes less and sometimes more force
  - All of above
10. Friction is a \_\_\_\_\_
- Contact force
  - Non-contact force
  - Magnetic force
  - None of these
11. Which force always opposes motion?
- Magnetic force**
  - Electrostatic force**
  - Friction**
  - Muscular force**

12. Which of the following possess gravitation?

- a. Earth
- b. Venus
- c. Saturn
- d. All of the above

13. How much weight of air is always over your head?

- a. 1000 kg
- b. 100 kg
- c. 10 kg
- d. 1 kg

14. Which force causes a charged balloon to attract another balloon?

- a. Muscular force
- b. Electrostatic force
- c. Magnetic force
- d. Gravitational force

15. What is the SI unit of force?

- a. Newton
- b. Galileo
- c. Einstein
- d. Faraday

16. A dropper to fill ink works because of which of the following?

- a. Friction
- b. Magnetic force
- c. Air pressure
- d. Electrostatic force

16. What is the SI unit of pressure?

- a. Newton
- b. Pascal
- c. Einstein
- d. Faraday

17. Gravity is --

- (a) repulsive force
- (b) attractive or Repulsive force
- (c) attractive force
- (d) not a force

18. A ball rolling on the ground slows down and finally stops. This is because Of:-

- (a) force
- (b) less force applied
- (c) friction
- (d) none of the above

19. The pressure of the water at the bottom of the pond is at the surface of the pond:

- (a) lower than
- (b) same
- (c) higher than
- (d) either lower or higher

20. Pressure is:

- (a) Area/Force on which it acts
- (b) Force/Area on which it acts
- (c) Volume/Force on which it acts
- (d) Force/Volume on which it acts

**21. An example of a non-contact force is ---**

- (a) The force exerted by us to lift a bucket
- (b) push a stationary car
- (c) The force exerted by magnets
- (d) hit a cricket ball for a 4 run

**22. Two objects repel each other. This repulsion could be due to ----**

- (a) frictional force only
- (b) electrostatic force only
- (c) magnetic force only
- (d) either a magnetic or an electrostatic force.

**23. Which one of the following forces is a contact force?**

- (a) force of gravity
- (b) force of friction
- (c) magnetic force
- (d) electrostatic force.

**24. Complete the sentence. Friction always \_\_\_\_\_**

- (a). helps the motion
- (b). opposes the motion
- (c). both of these
- (d). none of these.

**25. Friction is a /an\_\_\_\_\_**

- (a). Evil
- (b). Foe
- (c). Both (a) and (b)
- (d). None

**26. On what force of friction depends?**

- (a). Smoothness of surface
- (b). Roughness of surface
- (c). Inclination of surface
- (d). All of above

**28. Force changes ..... of an object**

- (a).volume
- (b).speed
- (c).density
- (d).none

**29. The pressure of the water at the bottom of the pond is \_\_\_\_\_ at the surface of the pond.**

- (a).Higher than
- (b).Lower than
- (c).Same
- (d).either lower or higher

**30. Opening a door is an example of .\_\_\_\_\_**

- A. Spring force
- B. Non contact force
- C. Magnetic force
- D. Contact force

**31. Name the pressure exerted by air around us.**

- A. Atmospheric pressure
- B. Adiabatic pressure
- C. Thermal pressure
- D. None of these

**32. What is the unit of pressure?**

- A. N/m<sup>2</sup>
- B. N/kg<sup>2</sup>
- C. N/cm<sup>2</sup>
- D. None of these

**33. The strength of a force is usually expressed by its \_\_\_\_\_**

- A. Magnitude
- B. Density
- C. Pressure
- D. None of these

**34. A body is said to be under balanced forces when the resultant force applied on that body is \_\_\_\_\_**

- A. Zero
- B. Infinite
- C. One
- D. None of these

**35. Which of the following possess gravitation?**

- A. Saturn
- B. Earth
- C. Venus
- D. All of the above

**\*\*\*\*\*Thanks\*\*\*\*\***

**By Priyanka Jha**