

Std. 8. General Science

Marks : 20

Ch.3 Atmospheric Pressure

Duration : ½ hr.

Q1 Fill in the blanks [3 M]

1. The ----- applied on unit area is called pressure.
a) air volume b) current c) force
2. When the piston of a pump is pulled up , the pressure inside ----- .
a) increases b) decreases c) remains same
3. The unit of pressure is -----.
a) Newton b) Newton per meter c) Newton per meter square

Q2 State whether True or False [3 M]

Pressure = Force x area .

1. The unit of force is Newton.
2. If area is reduced , pressure is reduced.

Q3 Answer in one sentence [2M]

1. State whether the sea breezes flows from the land towards the sea or from the sea towards the land ?
2. State the factors on which pressure depends .

Q4 Match the following [2M]

A	B
1. Fluid substances	a. Greater pressure
2. Sprinkle irrigation	b. Equal pressure in all direction
3. Blunt weapon	c. Pressure of water
4. Sharp weapon	d. Less pressure

Q5 Give scientific reasons .(Any Two) [4 M]

1. An ST bus has four rear wheels.
2. Sea breeze is formed .
3. A person may bleed from the nose when he is at a great height above the sea level..

Q6 Describe any ONE experiment from the following .[2 M]

1. To demonstrate that the atmosphere exerts pressure on an object equally in all directions.
2. To demonstrate atmospheric pressure

Q7 Answer any TWO of the following. [4 M]

1. Explain the working of spray pump.
2. Explain the term ' atmospheric pressure'.
3. Why do our ears ache when we travel by an aeroplane? .
