

CHAPTER-6 | Pressure, Winds, Storms, and Cyclones

QUIZ
PART-01

1. Pressure is defined as:

- A. Force \times Area
- B. Force \div Area
- C. Area \div Force
- D. Weight \div Area (B)

Explanation : Pressure equals force per unit area.

2. SI unit of pressure is:

- A. Newton
- B. Joule
- C. Pascal
- D. Watt (C)

Explanation : Pressure unit is Pascal (N/m²).

3. Narrow straps cause:

- A. Less pressure
- B. More pressure
- C. No pressure
- D. Equal pressure (B)

Explanation : Smaller area increases pressure.

4. Broad straps feel comfortable because:

- A. Weight decreases
- B. Area increases
- C. Gravity reduces
- D. Mass reduces (B)

Explanation : Larger area reduces pressure.

5. Sharp knife cuts easily because:

- A. Large area
- B. Small area
- C. Less force
- D. No force (B)

Explanation : Smaller area creates higher pressure.

6. Driving a nail is easier with:

- A. Head
- B. Pointed end
- C. Flat side
- D. Middle (B)

Explanation : Smaller area increases pressure.

7. Overhead water tanks are placed high to:

- A. Reduce weight
- B. Increase pressure
- C. Reduce gravity
- D. Stop leakage (B)

Explanation : Greater height increases pressure.

8. Increasing force increases:

- A. Area
- B. Pressure
- C. Volume
- D. Density (B)

Explanation : Pressure increases with force.

9. Larger area causes:

- A. More pressure
- B. Less pressure
- C. No pressure
- D. Equal pressure (B)

Explanation : Pressure is inversely proportional to area.

10. Unit N/m² is also called:

- A. Joule
- B. Pascal
- C. Watt
- D. Newton (B)

Explanation : N/m² is Pascal.