

Mechanical Aptitude Practice Test Questions and Answers

1. Which tool is used to measure the diameter of pipes or rods?

- A) Ruler
- B) Calipers
- C) Level
- D) Protractor

2. In a lever system, what happens when the fulcrum is moved closer to the load?

- A) More force is required to lift the load
- B) Less force is required to lift the load
- C) The force requirement remains the same
- D) The lever becomes unstable

3. What type of gear system increases rotational speed while decreasing torque?

- A) Large gear driving a small gear
- B) Small gear driving a large gear
- C) Two equal-sized gears
- D) Planetary gear system

4. Which mechanical principle allows a hydraulic jack to lift heavy objects?

- A) Pascal's principle
- B) Archimedes' principle
- C) Newton's first law
- D) Conservation of energy

Answers: 1-B 2-B 3-A 4-A

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