## Class 6 | Science

## Chapter -5 | Measurement of Length and

QUIZ-01



- 1. What is the SI unit of length?
  - A. Foot B. Inch
  - C. Metre D. Yard (B)
- **Explanation:** Each centimetre is divided into 10 equal parts; each part is 1 millimetre.
- 2. How many millimetres make one centimetre?
  - A. 1 B. 10
  - C. 100 D. 1000 (D)
- Explanation: Each centimetre is divided into 10 equal parts; each part is 1 millimetre.
- 3. Which instrument is suitable for measuring the girth of a tree?
  - A. Metre scale
  - B. Divider
  - C. Flexible tape
  - D. Ruler (C)
- **Explanation**: A flexible measuring tape can easily wrap around curved or circular objects like a tree trunk.
- 4. What is a reference point?
  - A. A fixed measuring instrument
  - B. A random object
  - C. A fixed point to describe position
  - D. The centre of motion (C)
- **Explanation:** A reference point is a fixed object or location used to describe the position of other objects.
- 5. What type of motion does a swing exhibit?
  - A. Linear B. Circular
  - C. Oscillatory D. Random
- **Explanation**: A swing moves to and fro from a fixed point, which is an example of oscillatory motion.
- 6. What is linear motion?
  - A. Motion in a circular path
  - B. Motion to and fro

- C. Motion along a straight line
  - D. Random movement
- **Explanation:** When an object moves in a straight line, its motion is called linear motion.
- 7. How do visually challenged students measure length?
  - A. Using audio devices
  - B. Using voice assistants
  - C. Using tactile scales
- D. Using thread (C)
- **Explanation:** They use measuring scales with raised markings that can be felt by touch
- 8. What type of motion does the tip of a moving fan blade exhibit?
  - A. Linear B. Circular
  - C. Oscillatory D. Random (B)
- **Explanation:** The tip of a fan blade moves in a circular path, hence it shows circular motion.
- 9. If the zero mark of a scale is broken, how should you measure?
  - A. Ignore the damage
  - B. Use estimation
  - C. Start from another clear mark and subtract
  - D. Use a different object

(C)

(C)

- **Explanation:** Start from a visible mark (e.g., 1 cm) and subtract it from the final reading to get the correct length.
- 10. Which of the following motions is both periodic and oscillatory?
  - A. A bus on the road
  - B. A spinning top
  - C. A swinging pendulum
  - D. A person walking
- **Explanation**: The motion of a pendulum repeats regularly and moves to and fro, making it periodic
  - and oscillatory.