

## CHAPTER-9 | : Circle

QUIZ  
PART-01

**1. What is the largest chord of a circle?**

- A) Radius
- B) Diameter
- C) Arc
- D) None of these (B)

**Explanation:** The largest chord of a circle is the diameter, which passes through the center.

**2. The distance from the center of the circle to any point on the circle is called:**

- A) Radius
- B) Diameter
- C) Chord
- D) Circumference (A)

**Explanation:** The distance from the center to any point on the circle is called the radius.

**3. A line segment joining any two points on a circle is called a:**

- A) Radius
- B) Chord
- C) Diameter
- D) Arc (B)

**Explanation:** A line segment joining any two points on a circle is called a chord.

**4. The angle made by the diameter of a semicircle is:**

- A)  $90^\circ$
- B)  $45^\circ$
- C)  $180^\circ$
- D)  $60^\circ$  (A)

**Explanation:** The angle made by the diameter of a semicircle is always  $90^\circ$ .

**5. A part of the circle bounded by two points and the arc between them is called:**

- A) Sector
- B) Segment
- C) Chord
- D) Arc (B)

**Explanation:** A segment of a circle is the region bounded by a chord and the arc between its endpoints.

**6. A portion of the circle between two points is called a:**

- A) Chord
- B) Arc
- C) Sector
- D) Segment (B)

**Explanation:** The portion of the circle between two points is called an arc.

**7. What is the central angle of a semicircle?**

- A)  $90^\circ$
- B)  $180^\circ$
- C)  $360^\circ$
- D)  $270^\circ$  (B)

**Explanation:** The central angle subtended by the diameter of a semicircle is always  $180^\circ$ .

**8. In a circle, the angle subtended by a chord at the center is always:**

- A)  $90^\circ$
- B)  $180^\circ$
- C) Less than  $180^\circ$
- D) More than  $180^\circ$  (C)

**Explanation:** The angle subtended by a chord at the center is always less than  $180^\circ$ , except for a diameter.

**9. What type of quadrilateral is formed when a circle's chords are drawn?**

- A) Square
- B) Cyclic quadrilateral
- C) Rhombus
- D) Rectangle (B)

**Explanation:** A cyclic quadrilateral is formed when the vertices lie on a circle.

**10. The part of the circular region bounded by two radii and the arc between them is called a:**

- A) Sector
- B) Segment
- C) Chord
- D) Arc (A)

**Explanation:** A sector of a circle is the region bounded by two radii and the arc between them.