

**OBJECTIVE TYPE QUESTIONS**

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Mark the correct alternative in each of the following:

**1. A circle of radius  $r$  cm has diameter of length**

- (a)  $r$  cm
- (b)  $2r$  cm
- (c)  $4r$  cm
- (d)  $r/2$  cm

**Solution:**

The option (b) is the correct answer.

A circle of radius  $r$  cm has diameter of length  $2r$  cm.**2. A chord of a circle passing through its centre is equal to its**

- (a) radius
- (b) diameter
- (c) circumference
- (d) none of these

**Solution:**

The option (b) is the correct answer.

A chord of a circle passing through its centre is equal to its diameter.

**3. The total number of diameters of a circle is**

- (a) 1
- (b) 2
- (c) 4
- (d) uncountable number

**Solution:**

The option (d) is the correct answer.

The total number of diameters of a circle is uncountable number.

**4. By joining any two points on a circle, we obtain its**

- (a) radius
- (b) diameter
- (c) chord
- (d) circumference

**Solution:**

The option (c) is the correct answer.

By joining any two points on a circle, we obtain its chord.

**5. The longest chord of a circle is equal to its**

- (a) radius
- (b) diameter
- (c) circumference
- (d) perimeter

**Solution:**

The option (b) is the correct answer.  
The longest chord of a circle is equal to its diameter.

**6. How many circles can be drawn to pass through two given points?**

- (a) 1
- (b) 2
- (c) 0
- (d) As many as possible

**Solution:**

The option (d) is the correct answer.  
Many circles can be drawn to pass through two given points.

**7. How many circles can be drawn to pass through three non-collinear points?**

- (a) 1
- (b) 2
- (c) 0
- (d) As many as possible

**Solution:**

The option (a) is the correct answer.  
The number of circles which can be drawn that pass through three non-collinear points is 1.