



# Maths MCQs

## Chapter 10, 10th Class

Q.1 From a point at a distance of 5cm from the center of a corcle of radius 2 cm tangents are drawn to the center. The length of each tangent will be:

- 3 cm      5 cm      4 cm       6 cm

Q.2 The line which meets the circle at one point is :

- Secant      Diameter      Chord      Tangent

Q.3 A line which is perpendicular to a radical segment of a circle at its outer end (lying on the circle) is called a:

- Secant      Tangent       Chord      Diameter

Q.4 The distance between the centres of two congruent touching circles externality is .

- Of zero length      The radius of each circle      The diameter of each circle       Twice the diameter of each circle.

Q.5 Tangent drawn at the ends of diameter of a circle are..... to each other.

- Parallel       Non parallel      Collinear      Perpenducular

Q.6 A tangent line intersects the circle at .

- Three points      Two points      Single point       No point at all

Q.7 A circle has only one.

- Secant      Chord      Diameter      Centre

Q.8 Two tangents drawn to a circle from a point outside it are..... in length .

Half

Equal

Double

Triple

Q.9 A line which has only one point in common with a circle is called.

Sine of a circle

Cosine of a circle

Tangent of a circle

Secant of a circle

Q.10 In the adjacent figure find semicircular area if  $\pi \cong 3.1416$  and  $mOA = 20\text{cm}$

62.83 sq cm

314.16 sq cm

436.20 sq cm

628.32 sq cm

Q.11 In the adjacent figure of the circle, the PTQ is named as

an arc

a chord

a tangent

a secant

Q.12 In the adjacent figure find half the perimeter of circle with centre O if  $\pi \cong 3.1416$  and  $mOA = 20\text{cm}$

31.42 cm

62.832 cm

125.65

188.50

Q.13 The point of tangency is known as

point of contact

point of secant

point tangent line

length of tangent

Q.14 The line that passes through center and touches a circle at two points is called

diameter

radius

arc

corners

Q.15 The tangent to a circle and the radial segment joining the point of contact and the \_\_\_\_ are perpendicular to each other

chord

centre

measure

diameter

Q.16 If a line is drawn perpendicular to a radial segment of a circle at its occur end point, it is \_\_\_\_ to the circle at that point.

radial

parallel

tangent

perpendicular

Q.17 A tangent to a circle is perpendicular to the radial segment drawn to the point of

- contact  tangency  concurrency  tangent

Q.18 The distance between the centres of two congruent touching circles externally is

- of zero length  the radius of each circle  the diameter of each circle  twice the diameter of each circle

Q.19 Tangents drawn at the ends of diameter of a circle are ..... to each other

- parallel  non parallel  collinear  perpendicular

Q.20 A tangent line intersects the circle at

- three points  two points  single point  no point at all

Q.21 A circle has only one

- secant  chord  diameter  centre

Q.22 Two tangents drawn to a circle from a point outside it are of ..... in length

- half  equal  double  triple

Q.23 A line which has two points in common with a circle is called.

- Sine of a circle  Cosine of a circle  Tangent of a circle  Secant of a circle