

Chords and Arcs

Sr	Questions	Answers Choice
1	The boundary traced by a moving point in a circle its _____:	A. Circumference B. Diameter C. Radius D. Area
2	If two cords of a circle (of of congruent circles) are equal, then their corresponding arcs (minor, major or semi circular) are:	A. Proportional B. Equal C. Congruent D. Bisecting chords
3	If an arc of a circle subtends a central angle of 60° , then the corresponding chord of the arc will make the central angle of:	A. 20° B. 40° C. 60° D. 80°
4	A pair of chords of a circle subtending two congruent central angles is:	A. Congruent B. Incongruent C. Over lapping D. Parallel
5	The portion of a circle bounded by an arc and a chord is known as:	A. Diameterof the circle B. Radiusof the circle C. Chordof the circle D. Segmentof the circle
6	In an arc of circle substends a central angle 60° , then corresponding chord will make central angle:	A. 20° B. 40° C. 60° D. 80°
7	If two arcs of a circle (or of congruent circles) are congruent, then the corresponding chord are:	A. Perpendicular B. Parallel C. Bisect each other D. Equal
8	The length of a chord and the radial segment of a circle are congruent, the central angle made by the chord will be:	A. 30° B. 45° C. 60° D. 75°
9	The arcs opposite to incongruent central angles of a circle are always:	A. Congruent B. Incongruent C. Parallel D. Perpendicular
10	An arc substends a central angle of 40° then corresponding chord will substend a central angle of _____:	A. 20° B. 40° C. 60° D. 80°
11	Any portion of the circumference will be known as _____ of the circle:	A. A chord B. An arc C. A tangent D. An angle
12	The semi circumference, and the diameter of a circle both subtend a central angle of:	A. 90° B. 180° C. 270° D. 360°
13	Equal chords of a circle (or of congruent circles) subtend equal _____ at the centre (corresponding centres):	A. Arcs B. Angles C. Regions D. Chords
14	If the angles subtended by two chords of a circle (or congruent circles) at the centre (corresponding centre) are equal, the _____ are equal:	A. Lines B. Segments C. Chords D. Arcs
15	Out of two congruent arcs of a circle, if one arc makes a central angle of 30° then the other arc will subtend the central angle of:	A. 15° B. 30° C. 45° D. 60°

16	A 4cm long chord subtends a central angle of 60° . The radial segment of this circle is:	A. 1 B. 2 C. 3 D. 4
17	The chord length of a circle subtending a central angle of 180° is always:	A. Less than radial segment B. Equal to the radial segment C. Double of the radial segment D. None of these
18	The straight line joining any two points of the circumference is called:	A. Segment of circle B. Arc of circle C. Chord of circle D. Tangent of circle
19	The circular region bounded by an arc of a circle and its two corresponding radial segments is called a:	A. Sector of the circle B. Area of the circle C. Radius of the circle D. Circumference of the circle
20	If a chord of a circle subtends a central angle of 60° , then the length of the chord and the radial segment arc:	A. Congruent B. Incongruent C. Parallel D. Perpendicular
