

## FA Part 2 Mathematics Full Book Test Online

Sr	Questions	Answers Choice
1	A line segment having both the end-points on a circle and not passing through the center is called a:	A. A chord B. A secant C. A diameter D. None of these
2	A line perpendicular to a radial chord of a circle at the end-point (which lies on the circle) is a:	A. Secant B. Diameter C. Chord D. Tangent
3	A line that touches the curve without cutting through it is called:	A. Straight line B. Tangent line C. Normal line D. Vertical line
4	Point (5, 6) lies ..... the circle $x^2 + y^2 = 81$ :	A. Outside B. Inside C. On D. None of these
5	Point p (-5, 6) lies ..... the circle $x^2 + y^2 + 4x - 6y - 12 = 0$	A. Outside B. Inside C. On D. None of these
6	If r is the radius of any circle and C its center, then any point P( $x_1$ , $y_1$ ) lies outside the circle only if:	A. $ CP  < r$ B. $ CP  = r$ C. $ CP  > r$ D. None of these
7	If a point lies inside a circle, then its distance from the center is:	A. Equal to the radius B. Less than the radius C. Greater than the radius D. Equal to or greater than the
8	If r is the radius of any circle and C its center, then any point P( $x_1$ , $y_1$ ) lies on the circle only if:	A. $ CP  < r$ B. $ CP  > r$ C. $ CP  = r$ D. None of these
9	The radius of point circle is:	A. 0 B. (0, 0) C. r D. 1
10	Question Image	
11	The radius of circle $x^2 + y^2 + ax + by + c = 0$ is:	D. None
12	The radius of circle $x^2 + y^2 + 2gx + 2fy + c = 0$ is:	
13	The center of circle $x^2 + y^2 + 2gx + 2fy + c = 0$ is:	A. (-g, -f) B. (-f, -g) C. (0, 0) D. (g, f)
14	If equation of circle is $(x - h)^2 + (y - k)^2 = r^2$ , then center of a circle:	A. (-h, -k) B. (h, k) C. (-h, k) D. (h, -k)
15	The center of circle $(x+3)^2 + (y-2)^2 = 16$ equals:	A. (-3, 2) B. (3, -2) C. (3, 2) D. (-3, -2)
16	Measure of the central angle of a minor arc is _____ the measure of the angle subtended in the corresponding major arc.	A. Equal B. Double C. Not equal to D. Triple
17	A line segment whose end points lie on the circle is called a _____ of the circle.	A. Radius B. Chord C. Diameter D. Arc

D. None of these

18 The equation  $x^2 + y^2 + 2x + 3y = 10$  represents a:

- A. A pair of lines
- B. Circle
- C. Ellipse
- D. Hyperbola

19 The distance between the center of a circle and any point of the circle is called:

- A. Tangents
- B. Secant
- C. Diameter
- D. Radius

20 The ratio between the measure of the radial segment and the diameter of a circle is:

- A. 2 : 1
- B. 4 : 3
- C. 1 : 2