

## Ics Part 2 Mathematics Chapter 6 Test Online

Sr	Questions	Answers Choice
1	The length of the latus rectum of the parabola $y^2 = 4ax$ is:	A. a B. 4a C. 2a D. None of these
2	The focus of the parabola $x^2 = 4ay$ :	A. (0, a) B. (-a, 0) C. (0, -a) D. (a, 0)
3	The point of a parabola which is closest to the focus in the:	A. Directrix B. Vertex C. Focus D. Chord
4	The radius of point circle is:	A. 0 B. (0, 0) C. r D. 1
5	If the focus lies on the y - axis with coordinates F(0, a) and directrix of the parabola is $y = -a$ , then the equation of parabola is:	A. $x^2 = 4ay$ B. $-x^2 = 4ay$ C. $-y^2 = 4ax$ D. $y^2 = 4ax$
6	<div style="border: 1px solid #ccc; padding: 2px; display: inline-block;">Question Image</div>	A. a B. 2b C. b D. 2a
7	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)
8	The opening of the parabola $x^2 = 4ay$ is upward of the:	A. x -axis B. y = c C. y - axis D. x = y
9	The fixed point of the conic is called:	A. Directrix B. Vertex C. Focus D. None of these
10	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
11	The equi. of latus-rectum of the parabola $y^2 = -4ax$ is:	A. $x = a$ B. $x = -a$ C. $y = a$ D. $y = -a$
12	The opening of the parabola $y^2 = -4ax$ is to the left of the:	A. x-axis B. x = 1 C. y-axis D. x = 0
13	<div style="border: 1px solid #ccc; padding: 2px; display: inline-block;">Question Image</div>	A. Circle B. Parabola C. Hyperbola D. Ellipse
14	The center of circle $(x+3)^2 + (y-2)^2 = 16$ equals:	A. (-3, 2) B. (3, -2) C. (3, 2) D. (-3, -2)
15	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

16	A circle is of radius 5 cm, the distance of a chord 8 cm long from its center is:	<p>A. 4 cm  <b>B. 3cm</b>  C. 2.5cm  D. 3.4cm</p>
17	Two arcs of two different circles are congruent if:	<p>A. The circles are congruent  B. The corresponding central angles are congruent  <b>C. Both a and b</b>  D. None of the above</p>
18	The graph of the parabola $y^2 = -4ax$ lies in quadrants:	<p>A. I and II  B. III and IV  <b>C. II and III</b>  D. I and III</p>
19	The curves obtained by cutting a _____ double right circular cone by a _____ are called conics:	<p>A. Straight line  <b>B. Plane</b>  C. Curve  D. None of these</p>
20	A line segment having both the end-points on a circle and not passing through the center is called a:	<p><b>A. A chord</b>  B. A secant  C. A diameter  D. None of these</p>