

## Ics Part 2 Mathematics Chapter 6 Test Online

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Sr	Questions	Answers Choice
1	If a circle and a line intersect in two points, then the line is called:	A. A chord B. A secant C. A diameter D. None of these
2	The distance between the center of a circle and any point of the circle is called:	A. Tangents B. Secant C. Diameter D. Radius
3	The length of the latus rectum of the parabola $y^2 = 4ax$ is:	A. a B. 4a C. 2a D. None of these
4	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
5	Two arcs of two different circles are congruent if:	A. The circles are congruent B. The corresponding central angles are congruent C. Both a and b D. None of the above
6	The opening of the parabola x <sup>2</sup> = 16y is to of the x-axis:	A. Left B. Upward C. Right D. Downward
7	If the equation of the parabola is $x^2 = 4ay$ , then opening of the parabola is to of the x-axis:	A. Left B. Upward C. Right D. Downward
8	$y^2$ = 4ax, is the standard equation of the:	A. Ellipse B. Parabola C. Hyperbola D. None of these
9	The opening of the parabola $x^2$ = 4ay is upward of the:	A. x -axis B. y = c C. y - axis D. x = y
10	If r is the radius of the circle and its center is at origin, then equation of circle is:	A. x <sup>2</sup> + y <sup>2</sup> = a <sup>2</sup> B. x <sup>2</sup> + y <sup>2</sup> = r <sup>2</sup> C. x <sup>2</sup> - y <sup>2</sup> = a <sup>2</sup> - y <sup>2</sup> = a <sup>2</sup> D. x <sup>2</sup> - y <sup>2</sup> = r <sup>2&lt;</sup>
11	The equation $x^2 + y^2 + 2x + 3y = 10$ represents a:	A. A pair of lines B. Circle C. Ellipse D. Hyperbola
12	If the equation of the parabola is $y^2 = -4ax$ , then opening of the parabola is to the of the y-axis:	A. Left B. Upward C. Right D. Downward
13	The directrix of the parabola $y^2 = 4ax$ is:	A. x = a  B. x = -a C. y = a D. y = - a
14	The graph of the parabola $x^2$ = -4ay lies in quadrants:	A. I and II B. III and IV C. II and III D. I and III

15	The graph of the parabola $y^2$ = -4ax is symmetric about:	A. x-axis B. y = x C. y-axis D. None of these
16	A chord passing through the focus of a parabola is called a of the parabola:	A. Directrix B. Latus rectum C. Focus D. Focal chord
17	In equation of circle, coefficient of each of $x^2$ and $y^2$ are:	A. Not equal B. Opposite in signs C. Equal D. None of these
18	The radius of circle $x^2 + y^2 + 2gx + 2fy + c = 0$ is:	
19	The point of a parabola which is closest to the focus in the:	A. Directrix B. Vertex C. Focus D. Chord
20	The equi. of latus-rectum of the parabola $y^2 = -4ax$ is:	A. x = a B. x = -a C. y = a D. y = -a
20	The equi. of latus-rectum of the parabola $y^2 = -4ax$ is:	C. y = a