

## Ics Part 2 Mathematics Chapter 6 Test Online

Sr	Questions	Answers Choice
1	The equation $x^2 + y^2 + 2x + 3y = 10$ represents a:	A. A pair of lines B. Circle C. Ellipse D. Hyperbola
2	One of the angles of a triangle inscribed in a circle is of $40^\circ$ . If one of its' the diameter, the other angles have the measures:	A. $30^\circ, 110^\circ$ B. $40^\circ, 100^\circ$ C. $50^\circ, 90^\circ$ D. $20^\circ, 120^\circ$
3	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
4	The graph of the parabola $y^2 = -4ax$ is symmetric about:	A. x-axis B. major axis C. y-axis D. minor axis
5	A line through a point say P perpendicular to the tangent to the curve at P is called:	A. Straight line B. Tangent line C. Normal line D. None of these
6	Perpendicular dropped from the center of a circle on a chord _____ the chord:	A. Normal B. Bisects C. Equal to D. None of these
7	The fixed point of the conic is called:	A. Directrix B. Vertex C. Focus D. None of these
8	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
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	Question Image <input type="text"/>	A. 4a B. 2a C. 4b D. 2b
11	If the equation of the parabola $x^2 = 4ay$ , then opening of the parabola is upward of the:	A. x-axis B. y-axis C. Major axis D. Minor axis
12	Question Image <input type="text"/>	A. $x = 0$ B. $y = -a$ C. $y = 0$ D. $y = -a$
13	If the cutting plane is parallel to the axis of the cone and intersects both of its nappes, then the section a / an:	A. Parabola B. Hyperbola C. Ellipse D. None of these
14	The equation of the latus-rectum of the parabola $y^2 = 4ax$ is:	A. $x = a$ B. $x = -a$ C. $y = a$ D. $y = -a$
15	The number e denotes the _____ of the conic:	A. Directrix B. Vertex C. Focus D. Eccentricity

16	The radius of circle $x^2 + y^2 + 2gx + 2fy + c = 0$ is:	
17	A line that touches the curve without cutting through it is called:	A. Straight line B. Tangent line C. Normal line D. Vertical line
18	An angle in a semi-circle is:	A. $0^\circ$ B. $90^\circ$ C. $180^\circ$ D. $60^\circ$
19	The point of a parabola which is closest to the focus is the:	A. Directrix B. Vertex C. Focus D. Chord
20	The vertex of the parabola $x^2 = 4ay$ is:	A. $(-a, 0)$ B. $(0, a)$ C. $(0, -a)$ D. $(0, 0)$