Ics Part 2 Mathematics Chapter 6 Test Online

Sr	Questions	Answers Choice
1	The set of all points in the plane that are equally distant from a fixed point is called a / an:	A. Circle B. Circular cone C. Ellipse D. Point circle
2	The graph of the parabola $y^2 = -4ax$ is symmetric about:	A. x-axis B. y = x C. y-axis D. None of these
3	The number e denotes the _____ of the conic:	A. Directrix B. Vertex C. Focus D. Eccentricity
4	Question Image	A. Ellipse B. Parabola C. Hyperbola D. Circle
5	The opening of the parabola $x^2 = 4ay$ is upward of the:	A. x -axis B. y = c C. y - axis D. x = y
6	If the radius of a circle is zero, then the circle is called a / an:	A. Circle B. Circular cone C. Ellipse D. Point circle
7	the focal chord perpendicular to the axis of the parabola is called _____ of the parabola:	A. Directrix B. Latus rectum C. Focus D. Focal chord
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 equ. of directrix of the parabola $y^2 = -4ax$ is:	A. x = a B. x = - a C. y = a D. y = -a
10	Question Image	
11	The length of the latus rectum of the parabola $y^2 = 4ax$ is:	A. a B. 4a C. 2a D. None of these
12	Question Image	A. 4a B. 2a C. 4b D. 2b
13	Length of tangent from (0,1) to $x^2 + y^2 + 6x - 3y + 3 = 0$	A. 2 B. 1 C. 4 D. 3
14	If the focus lies on the x-axis with coordinates F(a, 0) and directrix of the parabola is = - a then the equation of parabola is:	A. x² = 4ay B. y²= 4ax C. -x²= 4ay D. -y²= 4ax
15	The focus of the parabola $y^2=4ax$ is:	A. (-a , 0) B. (0, a) C. (0, -a) D. (a, 0)
16	A line that touches the curve without cutting through it is called:	A. Straight line B. Tangent line C. Normal line

		D. Vertical line
17	A line segment joining two distinct points on a parabola is called a _____ of the parabola:	A. Chord B. Vertex C. Focus D. Directrix
18	In the case of rotation of axes which formula is true:	
19	$y^2 = 4ax$, is the standard equation of the:	A. Ellipse B. Parabola C. Hyperbola D. None of these
20	The axis of the parabola $y^2 = 4ax$ is:	A. x = 0 B. x = a C. y = 0 D. y = a