Ics Part 2 Mathematics Chapter 6 Test Online

Sr	Questions	Answers Choice
1	The opening of the parabola x^2= 16y is to _____ of the x-axis:	A. Left B. Upward C. Right D. Downward
2	The equ. of directrix of the parabola y^2 = -4ax is:	A. x = a B. x = - a C. y = a D. y = -a
3	The conic is a parabola, if:	A. e = 1 B. e > 1 C. 0 < e < 1 D. e = 0
4	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
5	The center of circle $(x+3)^2 + (y-2)^2$ = 16 equals:	A. (-3, 2) B. (3, -2) C. (3, 2) D. (-3, -2)
6	In the case of rotation of axes which formula is true:	
7	The parabola y^2 = 4ax lies in quadrants:	A. I and II B. III and IV C. II and III D. I and IV
8	An angle in a semi-circle is:	A. 0° B. 90° C. 180° D. 60°
9	The vertex of the parabola x^2 = 4ay is:	A. (-a, 0) B. (0, a) C. (0, -a) D. (0, 0)
10	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
11	The fixed point of the conic is called:	A. Directrix B. Vertex C. Focus D. None of these
12	The equi. of latus-rectum of the parabola y^2 = -4ax is:	A. x = a B. x = -a C. y = a D. y = -a
13	A chord containing the center of the circle is called _____ of the circle:	A. Diameter B. Chord C. Radius D. None of these
14	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
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	Point (5, 6) lies ..... the circle $x^2 + y^2$ = 81:	A. Outside B. Inside C. On D. None of these

17	The axis of the parabola $y^2 = -4ax$ is:	A. x = a B. x = 0 C. y = a D. y = 0
18	The directrix of the parabola $x^2 = 4ay$ is:	A. x = a B. x = -a C. y = a D. y = -a
19	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
20	The point where the axis meets the parabola is called _____ of the parabola:	A. Directrix B. Vertex C. Focus D. Eccentricity