Ics Part 2 Mathematics Chapter 6 Test Online

Sr	Questions	Answers Choice
1	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
2	If r is the radius of any circle and C its center, then any point $P(x_1, y_1)$ lies outside the circle only if:	A. |CP| < r B. |CP| = r C. |CP| > r D. None of these
3	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
4	Question Image	A. a B. 2b C. b D. 2a
5	If r is the radius of any circle and C its center, then any point $P(x_1, y_1)$ lies on the circle only if:	A. |CP| < r B. |CP| > r C. |CP| = r D. None of these
6	The conic is an ellipse, if:	A. e = 1 B. e > 1 C. 0 < e < 1 D. e = 0
7	The focus of the parabola y^2=-4ax is:	A. (-a , 0) B. (0, a) C. (0, -a) D. (a, 0)
8	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
9	The point of a parabola which is closest to the focus in the:	A. Directrix B. Vertex C. Focus D. Chord
10	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
11	The condition for the line y = mx + c to be a tangent to the circle $x^2 + y^2 = a^2$ is c = _____:	
12	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
13	An angle in a semi-circle is:	A. 0° B. 90° C. 180° D. 60°
14	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
15	The center of circle $(x+3)^2 + (y-2)^2 = 16$ equals:	A. (-3, 2) B. (3, -2) C. (3, 2) D. (-3, -2)
16	A chord containing the center of the circle is called _____ of the circle:	A. Diameter B. Chord C. Radius

		D. None of these
17	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
18	The focus of the parabola x2=-4ay is:	A. (-a , 0) B. (0, a) C. (0, -a) D. (a, 0)
19	The vertex of the parabola $x^2 = 4ay$ is:	A. (-a, 0) B. (0, a) C. (0, -a) D. (0, 0)
20	A line segment having both the end-points on a circle and not passing through the center is called a:	A. A chord B. A secant C. A diameter D. None of these