

Ics Part 2 Mathematics Chapter 6 Test Online

Sr	Questions	Answers Choice
1	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
2	Perpendicular dropped from the center of a circle on a chord the chord:	A. Normal B. Bisects C. Equal to D. None of these
3	The vertex of the parabola $y^2 = -4ax$ is:	A. (-a, 0) B. (a, 0) C. (0, -a) D. (0, 0)
4	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
5	A line segment joining two distinct points on a parabola is called a of the parabola:	A. Chord B. Vertex C. Focus D. Directrix
6	The graph of the the parabola x^2 = 4ay lies in quadrant:	A. I and II B. III and IV C. II and III D. I and III
7	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
8	The graph of the parabola y^2 = -4ax is symmetric about:	A. x-axis B. y = x C. y-axis D. None of these
9	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
10	The vertex of the parabola $x^2 = 4ay$ is:	A. (-a, 0) B. (0, a) C. (0, -a) D. (0, 0)
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	The vertex of the parabola $y^2 = 4ax$ is:	A. (-a, 0) B. (a, 0) C. (0, -a) D. (0, 0)
13	y^2 = 4ax, is the standard equation of the:	A. Ellipse B. Parabola C. Hyperbola D. None of these
14	Two real and distinct tangents can be drawn to a circle from any point $P(x_1, y_1)$ the circle:	A. Inside B. On C. Outside D. None of these
15	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

16	An angle in a semi-circle is:	A. 0° B. 90° C. 180° D. 60°
17	The radius of point circle is:	A. 0 B. (0, 0) C. r D. 1
18	The vertex of the parabola $x^2 = -4ay$ is:	A. (a, 0) B. (0, 0) C. (0, -a) D. (0, a)
19	If the cone is cut by a plane perpendicular to the axis of the cone, then the section is a / an:	A. Parabola B. Circular cone C. Ellipse D. Circle
20	Question Image	A. x = 0 B. y = -a C. y = 0 D. y = -a