

Ics Part 2 Mathematics Chapter 6 Test Online

Sr	Questions	Answers Choice
1	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
2	In equation of circle, coefficient of each of x^2 and y^2 are:	A. Not equal B. Opposite in signs C. Equal D. None of these
3	The vertex of parabola $(x - 1)^2 = 8 (y + 2)$ is:	A. (1, -2) B. (0, 1) C. (-1, -2) D. (1, 2)
4	Question Image	B. 0 C. 4 D. 7
5	Question Image	A. Ellipse B. Parabola C. Hyperbola D. Circle
6	The center of circle $x^2 + y^2 + 2gx + 2fy + c = 0$ is:	A. (-g, -f) B. (-f, -g) C. (0, 0) D. (g, f)
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	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
9	The conic is a parabola, if:	A. e = 1 B. e > 1 C. 0 < e < 1 D. e = 0
10	The center of circle $(x+3)^2 + (y-2)^2 = 16$ equals:	A. (-3, 2) B. (3, -2) C. (3, 2) D. (-3, -2)
11	The equation $x^2 + y^2 + 2x + 3y = 10$ represents a:	A. A pair of lines B. Circle C. Ellipse D. Hyperbola
12	The axis of the parabola $y^2 = 4ax$ is:	A. x = 0 B. x = a C. y = 0 D. y = a
13	Question Image	A. Circle B. Parabola C. Hyperbola D. Ellipse
		A. A chord B. A secant
14	If a circle and a line intersect in two points, then the line is called:	C. A diameter D. None of these
15	Two circles of radius 3 cm and 4 cm touch each other externally. The distance between their centers is:	A. 1 cm B. 7cm C. 4cm D. 5cm

16	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
17	Length of tangent from (0,1) to $x^2 + y^2 + 6x - 3y + 3 = 0$	A. 2 B. 1 C. 4 D. 3
18	In the case of translation of axes which formula is true:	A. x = X - h B. x = X + h C. x + X = h D. None
19	Length of tangent from (a, 0) to the circle $x^2 + y^2 + 2gx + 2fy + c = 0$ is:	B. c C. 2g + 2f -c D. None
20	Two imaginary 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