ICS Part 2 Mathematics Full Book Test Online

Sr	Questions	Answers Choice
1	A chord passing through the focus of a parabola is called a _____ of the parabola:	A. Directrix B. Latus rectum C. Focus D. Focal chord
2	x = c is a vertical line parallel to _____.	A. x-axis B. y-axis may be C. y-axis D. None of these
3	Parametric equations x = a cos t, y = a sin t represent the equation of:	A. Line B. Circle C. Parabola D. Ellipse
4	Question Image	A. One variable B. Three variable C. Two variable D. Four variable
5	The point (5, 8) lies the line 2x - 3y + 6 = 0	A. Above B. Below C. On D. None
6	A pair of lines of homogeneous second degree equation $ax^2 + 2hxy + by^2 = 0$ are othogonal, if:	A. a - b = 0 B. a + b = 0 C. a + b > 0 D. a - b < 0
7	A line through a point say P perpendicular to the tangent to the curve at P is called:	A. Straight line B. Tangent line C. Normal line D. None of these
8	The distance between the center of a circle and any point of the circle is called:	A. Tangents B. Secant C. Diameter D. Radius
9	Question Image	A. Line parallel to x-axis B. Line parallel to y-axis C. Line passing through the origin D. Both (a) and (b)
10	Every relation, which can be represented by a linear equation in two variables, represents a:	A. Graph B. Function C. Cartesian product D. Relation
11	y = mx + c is the equation of straight line in:	A. Slope-intercept form B. Two points from C. Point slope form D. Intercepts form
12	Question Image	B. 0
13	Question Image	A. 0 B. 2 C. 3 D. 1
14	The distance of any point P (x, y) from the origin O(0 , 0) is given by:	
15	y - ordinate of the centroid of triangle with vertices A(-2, 3) B(-4, 1), C(3, 2) is:	A. 3 B. 1 C. 2 D. 0
16	Question Image	A. 4 B. Does not exist
17	Question Image	A. equal to each other B. not equal to each

		C. nearly equal to each other D. none of these
18	Question Image	A. x = a B. for all x D. x = 0
19	The graph of the parabola $x^2 = -4ay$ is symmetric about:	A. x-axis B. major axis C. y-axis D. minor axis
20	Question Image	B. 0 C. 4 D. 7