ICS Part 2 Mathematics Full Book Test Online

Sr	Questions	Answers Choice
1	Joint equation of y + 2x = 0, y - 3x = 0 is:	A. (y+2x)(y-3x) = 0 B. (y-2x)(y-3x) = 0 C. (y+2x)(y+3x) = 0 D. (y-2x)(y+3x) = 0
2	The equation $x^2 + y^2 + 2x + 3y = 10$ represents a:	A. A pair of lines B. Circle C. Ellipse D. Hyperbola
3	Question Image	A. 1 B. 2 C. 3 D. 4
4	Question Image	B. 0 C. 4 D. 7
5	Question Image	A. domain B. range C. lower limit D. upper limit
6	If a = 0, then the line ax + by + c = 0 is parallel to:	A. y - axis B. x - axis C. along y - axis D. None of these
7	General form of equation of line is:	A. ax - by + c = 0 B. ax + by - c = 0 C. ax + by + c = 0 D. ax - by - c = 0
8	Question Image	A. ln |sec x + tan x | + c B. ln |cosec x - cot x | + c C. ln |sec x - tan x | + c D. ln |cosec x + cot x | + c
9	Question Image	A. 0 B. -1 C. 1 D. 2
10	In the case of rotation of axes which formula is true:	
11	Length of tangent from (0,1) to $x^2 + y^2 + 6x - 3y + 3 = 0$	A. 2 B. 1 C. 4 D. 3
12	Question Image	A. Even B. Odd C. One-one D. Zero
13	Point (5, 6) lies ..... the circle $x^2 + y^2 = 81$:	A. Outside B. Inside C. On D. None of these
14	Question Image	A. 0 B. 1 C. -1 D. 2
15	Equation of a line parallel to x-axis:	A. x = 0 B. x = y C. y = a D. x = a
16	Let $f(x) = x^2 + 3$, then domain of f is:	A. Set of all integers B. Set of natural numbers C. Set of real numbers

		D. Set of rational numbers
17	A quadrilateral having two parallels and two non-parallel sides is called:	A. Trapezium B. Rectangle C. Rhombus D. None of these
18	The opening of the parabola $y^2 = 4ax$ is to the _____ of the:	A. Left B. Upward C. Right D. Downward
19	The line x = a is on the right of y - axis if:	A. a > 0 B. a < 0 C. a = 0
20	The ratio in which y-axis divides the line joining (2, -3) and (-5, 6) is:	A. 2 : 3 B. 2 : 5 C. 1 : 2 D. 3 : 5