ICS Part 2 Mathematics Full Book Test Online

Sr	Questions	Answers Choice
1	If $y = x^2 + 1$ _____ x changes from 3 to 3.02 then dy = _____	A. 0.1204 B. .12 C. .02 D. 1.2
2	Question Image	A. 60° B. 90° C. 30° D. 45°
3	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
4	Question Image	A. Derivative B. Differential C. Integral D. None of these
5	Question Image	A. Integral B. Indefinite integral C. Differential D. Definite integral
6	Question Image	A. Common logarithmic B. Natural logarthmic C. Exponential D. None of these
7	The technique or method to find such a function whose derivative is given involves the inverse process of differentiation called:	A. Differentiation B. Integration C. Differential D. None of these
8	The axis of the parabola $x^2 = -4ay$ is:	A. x = a B. x = 0 C. y = a D. y = 0
9	Question Image	A. 4, -4 B. 0 C. 2, -2 D. 0, 4
10	Question Image	B. 0
11	The point (5, 8) lies the line 2x - 3y + 6 = 0	A. Above B. Below C. On D. None
12	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
13	ax + by < c is an inequality of:	A. One variable B. Threevariable C. Twovariable D. Fourvariable
14	An angle in a semi-circle is:	A. 0° B. 90° C. 180° D. 60°
15	The opening of the parabola $x^2 = 4ay$ is upward of the:	A. x -axis B. y = c C. y - axis D. x = y
16	Question Image	A. 1 B. 2 C. 3

		D. 0
17	The vertex of the parabola $x^2 = 4ay$ is:	A. (-a, 0) B. (0, a) C. (0, -a) D. (0, 0)
18	Question Image	
19	Question Image	
20	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