ICS Part 2 Mathematics Full Book Test Online

Sr	Questions	Answers Choice
1	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
2	x = 4 is a line:	A. Parallel to x - axis B. Parallel to y - axis C. Perpendicular to y-axis D. None of these
3	Question Image	
4	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
5	Question Image	A. Parallel lines B. Perpendicular lines C. Non-parallel lines D. None of these
6	Question Image	C. 0 D. 1
7	-4 < y < 4 is the solution of the following:	A. y = 5 B. y = 3 C. y = -4 D. y = 4
8	The two parts of a right circular cones are called:	A. Nappes B. Apex of the cone C. Generator D. Vertex
9	y-coordinate of any point on X-axis:	A. 0 B. x C. y D. 1
10	Question Image	A. Common logarithmic B. Natural logarthmic C. Exponential D. None of these
11	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
12	Question Image	A. Lagrange B. Newtown C. Leibniz D. Cauchy
13	Question Image	A. 4, -4 B. 0 C. 2, -2 D. 0, 4
14	ax + by + c = 0 has matrix from as:	B. |ax + by| = |-c| C. [ax + by] = [c] D. [ax - by] = [-c]
15	A scalar quantity is one that possesses only :	A. Magnitude B. Direction C. Both a and b D. None of these
16	Two non parallel lines intersect each other at:	A. 1 point B. 2 points C. 3 points D. 4 points

17	Question Image	
18	Question Image	A. Scalar B. Free vector C. Unit vector D. Null vector
19	If y is an image of x under the function f, we denote it by:	A. x = f(y) B. x = y C. y = f(x) D. f(x, y) = c
20	If the focus lies on the x-axis with coordinates F(a, 0) and directrix of the parabola is = - a then the equation of parabola is:	A. x² = 4ay B. y²= 4ax C. -x²= 4ay D. -y²= 4ax