

ICS Part 2 Mathematics Full Book Test Online

Sr	Questions	Answers Choice
1	Question Image <input style="width: 500px; height: 20px;" type="text"/>	A. 0 B. -1 C. 1 D. 2
2	Distance of the point (-3, 7) from x-axis is:	A. 3 B. -3 C. 7 D. 10
3	If a variable y depends on a variable x in such a way that each value of x determines exactly one value of y, then y is a _____ of x.	A. Independent variable B. Not function C. Function D. None of these
4	If the equation of the parabola is $y^2 = 4ax$, then opening of the parabola is to the right of the:	A. x-axis B. $y = x$ C. y-axis D. $x + y = 0$
5	Question Image <input style="width: 500px; height: 20px;" type="text"/>	A. Unit Vector B. Null vector C. Position vector D. None of these
6	$ax + by + c = 0$ has matrix form as:	B. $ ax + by = -c $ C. $[ax + by] = [c]$ D. $[ax - by] = [-c]$
7	Question Image <input style="width: 500px; height: 20px;" type="text"/>	B. 0 C. 4 D. 7
8	Question Image <input style="width: 500px; height: 20px;" type="text"/>	A. [0] B. [0, 0] C. [0, 0, 0] D. None of these
9	The length of the latus rectum of the parabola $y^2 = 4ax$ is:	A. a B. 4a C. 2a D. None of these
10	Question Image <input style="width: 500px; height: 20px;" type="text"/>	A. 4 B. 2 C. 1
11	Question Image <input style="width: 500px; height: 20px;" type="text"/>	A. 0 B. 2 C. 1 D. 3
12	The ordered pair _____ is a solution of the inequality $x + 2y < 6$.	A. (3, 3) B. (1, 1) C. (4, 4) D. (5, 5)
13	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
14	The order (or sense) of an inequality is changed by _____, if each side by a negative constant.	A. Adding B. Subtracting C. Dividing D. None of these
15	Question Image <input style="width: 500px; height: 20px;" type="text"/>	A. 1 B. 2 C. 3 D. 0
16	Question Image <input style="width: 500px; height: 20px;" type="text"/>	A. Integration B. Integrand C. Constant of integration

17	$x = c$ is a vertical line parallel to _____.	D. None of these A. x-axis B. y-axis may be C. y-axis D. None of these
18	If the graph of f is entirely above the x-axis, then the definite integral is _____:	A. Positive B. Positive or negative C. Negative D. Positive and negative
19	Question Image	
20	The vertex of the parabola $y^2 = 4ax$ is:	A. $(-a, 0)$ B. $(a, 0)$ C. $(0, -a)$ D. $(0, 0)$