

ICS Part 2 Mathematics Full Book Test Online

Sr	Questions	Answers Choice
1	Question Image <input style="width: 500px; height: 20px;" type="text"/>	A. Free vector B. Unit vector C. Null vector D. None of these
2	Question Image <input style="width: 500px; height: 20px;" type="text"/>	A. Constant B. Implicit C. Explicit D. Inverse
3	$\cosh^{-1}x =$	
4	If the equation of the parabola $x^2 = 4ay$, then opening of the parabola is upward of the:	A. x-axis B. y-axis C. Major axis D. Minor axis
5	The horizontal line $x' ox$ is called:	A. x-axis B. y-axis C. abscissa D. ordinate
6	Question Image <input style="width: 500px; height: 20px;" type="text"/>	A. 0 B. 2 C. 3 D. 1
7	Question Image <input style="width: 500px; height: 20px;" type="text"/>	A. $\cot x$ B. $-\cot x$ C. $\operatorname{cosec} x \cot x$ D. $-\operatorname{cosec} x \cot x$
8	Question Image <input style="width: 500px; height: 20px;" type="text"/>	A. $\sinh x$ B. $\cosh x$ C. $-\sinh x$ D. $-\cosh x$
9	The axis of the parabola $x^2 = 4ay$ is:	A. $x = 0$ B. $x = -a$ C. $y = 0$ D. $y = -a$
10	Point p (-5, 6) lies the circle $x^2 + y^2 + 4x - 6y - 12 = 0$	A. Outside B. Inside C. On D. None of these
11	y-coordinate of any point on X-axis:	A. 0 B. x C. y D. 1
12	If a pair of opposite sides of a quadrilateral are equal and parallel then it is:	A. Rectangle B. Rhombus C. Parallelogram D. None of these
13	If a function f is from a set X to a set Y, then set X is called the _____ of f:	A. Domain B. Range C. Co-domain D. None of these
14	The symbol $y = f(x)$ i.e. y is equal to f of x, invented by Swiss mathematician-----:	A. Euler B. Cauchy C. Leibniz D. Newton
15	Question Image <input style="width: 500px; height: 20px;" type="text"/>	
16	The vertex of the parabola $y^2 = -4ax$ is:	A. (-a, 0) B. (a, 0) C. (0, -a) D. (0, 0)

17	The centroid of a triangle is a point that divides each median in the ratio:	<p>A. 1 : 2 B. 2 : 3 C. 1 : 3 D. 4 : 3</p>
18	Question Image <input type="text"/>	<p>A. Even B. Odd C. One-one D. Zero</p>
19	There are _____ feasible solutions in the feasible region:	<p>A. Finitely B. Two C. Infinitely many D. Three</p>
20	Question Image <input type="text"/>	<p>C. 0 D. 1</p>