

## ICS Part 2 Mathematics Full Book Test Online

Sr	Questions	Answers Choice
1	The axis of the parabola $y^2 = -4ax$ is:	A. $x = a$ B. $x = 0$ C. $y = a$ D. $y = 0$
2	The system of _____ involved in the problem concerned is called problem constraints:	A. Linear inequalities B. Equations C. Linear equalities D. None of these
3	Question Image <input style="width: 500px; height: 20px;" type="text"/>	A. Undefined B. $3a^{>2</sup>2</sup>$ C. $a^{>2</sup>2</sup>$ D. 0
4	Question Image <input style="width: 500px; height: 20px;" type="text"/>	A. Lagrange B. Newtown C. Leibniz D. Cauchy
5	Question Image <input style="width: 500px; height: 20px;" type="text"/>	A. $\sec x \tan x$ B. $-\sec^{>2</sup>2</sup>x$ C. $-\sec x \tan x$ D. $\sec^{>2</sup>2</sup>x$
6	Question Image <input style="width: 500px; height: 20px;" type="text"/>	A. 1 B. 0
7	If $(1, x)$ is the mid point of the line segment joining the points $(1, 2)$ & $(1, 6)$ then $x =$	A. 1 B. 2 C. 3 D. 4
8	Question Image <input style="width: 500px; height: 20px;" type="text"/>	A. 4, -4 B. 0 C. 2, -2 D. 0, 4
9	The vertex of the parabola $x^2 = -4ay$ is:	A. $(a, 0)$ B. $(0, 0)$ C. $(0, -a)$ D. $(0, a)$
10	A quadrilateral having two parallels and two non-parallel sides is called:	A. Trapezium B. Rectangle C. Rhombus D. None of these
11	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
12	Equation of a line parallel to x-axis:	A. $x = 0$ B. $x = y$ C. $y = a$ D. $x = a$
13	Length of tangent from $(a, 0)$ to the circle $x^2 + y^2 + 2gx + 2fy + c = 0$ is:	B. $c$ C. $2g + 2f - c$ D. None
14	Question Image <input style="width: 500px; height: 20px;" type="text"/>	A. 0 B. 1 C. 2 D. 4
15	$ax + by + c = 0$ has matrix form as:	B. $ ax + by  =  -c $ C. $[ax + by] = [c]$ D. $[ax - by] = [-c]$
16	Question Image <input style="width: 500px; height: 20px;" type="text"/>	
17	$\cosh^{-1}x =$	

18	Question Image <input type="text"/>	A. Parallel lines B. Perpendicular lines C. Non-parallel lines D. None of these
19	Question Image <input type="text"/>	A. Position vector of O B. Position vector of P C. Unit vector D. Null vector
20	Question Image <input type="text"/>	A. x with respect to y B. y with respect to y C. y with respect to x D. x with respect to x