

ICS Part 2 Mathematics Full Book Test Online

Sr	Questions	Answers Choice
1	Question Image	
2	$ax + by + c = 0$ has matrix form as:	B. $ ax + by = -c $ C. $[ax + by] = [c]$ D. $[ax - by] = [-c]$
3	If x and y are so mixed up and y cannot be expressed in terms of the independent variable x , then y is called a/an ---- function of x .	A. Constant B. Explicit C. Implicit D. Inverse
4	Question Image	A. 0 B. 2 C. 3 D. 1
5	Question Image	A. Constant function B. Absolute linear function C. Linear function D. Quadratic function
6	$y^2 = 4ax$, is the standard equation of the:	A. Ellipse B. Parabola C. Hyperbola D. None of these
7	Question Image	A. 0 B. 2 C. 1 D. 3
8	A parallelogram is a rhombus if and only if its diagonals are:	A. Parallel B. Perpendicular C. Equal D. None of these
9	Question Image	A. $x = a$ B. $x = 2$ C. $x = 0$ D. None
10	The axis of the parabola $y^2 = 4ax$ is:	A. $x = 0$ B. $x = a$ C. $y = 0$ D. $y = a$
11	$f(x)$ is odd function. If and only if:	A. $f(-x) = -f(x)$ B. $f(-x) = f(x)$ C. $f(x) = 3f(-x)$ D. $f(x) = -3f(-x)$
12	Question Image	A. $a \operatorname{cosec}(ax + b)$ D. $\cot(ax + b)$
13	If a straight line is perpendicular to x -axis, then its slope is:	A. 0 B. 1 C. 2 D. Undefined
14	Question Image	A. Constant B. Implicit C. Explicit D. Inverse
15	The system of _____ involved in the problem concerned is called problem constraints:	A. Linear inequalities B. Equations C. Linear equalities D. None of these
16	The fixed point of the conic is called:	A. Directrix B. Vertex C. Focus D. None of these

17	The two parts of a right circular cones are called:	<ul style="list-style-type: none">A. NappesB. Apex of the coneC. GeneratorD. Vertex
18		<ul style="list-style-type: none">A. $\operatorname{sech} x \tanh x$B. $-\operatorname{sech}^2 x$C. $-\operatorname{sech} x \tanh x$D. $\operatorname{sech}^2 x$
19		<ul style="list-style-type: none">A. 90°B. 30°C. 60°D. 0°
20		<ul style="list-style-type: none">A. Parallel linesB. Perpendicular linesC. Non-parallel linesD. None of these