

ICS Part 2 Mathematics Full Book Test Online

Sr	Questions	Answers Choice
1	The graph of linear equation of the form $ax + by = c$ is a line, which divides the plane into _____ disjoint regions, where a, b and c are constants and a, b are not both zero.	A. One B. Two C. Three D. None of these
2	Question Image <input style="width: 100%; height: 15px;" type="text"/>	C. 0 D. 1
3	Question Image <input style="width: 100%; height: 15px;" type="text"/>	
4	Question Image <input style="width: 100%; height: 15px;" type="text"/>	A. a cosec (ax + b) D. cot (ax + b)
5	Question Image <input style="width: 100%; height: 15px;" type="text"/>	A. Constant function B. Absolute linear function C. Linear function D. Quadratic function
6	The point of intersection of the perpendicular bisectors of a triangle is called:	A. Centroid B. Ortho-center C. Circums-center D. In-center
7	Question Image <input style="width: 100%; height: 15px;" type="text"/>	A. c B. 0 C. 1 D. -c
8	Parametric equations $x = a \cos t$, $y = a \sin t$ represent the equation of:	A. Line B. Circle C. Parabola D. Ellipse
9	Question Image <input style="width: 100%; height: 15px;" type="text"/>	A. Parabola B. Hyperbola C. Ellipse D. Circle
10	Question Image <input style="width: 100%; height: 15px;" type="text"/>	A. cosec x + c B. -cosec x + c C. cot x + c D. -cot x + c
11	The equi. of latus-rectum of the parabola $y^2 = -4ax$ is:	A. $x = a$ B. $x = -a$ C. $y = a$ D. $y = -a$
12	The coordinate axes divide the plane into----- equal parts:	A. 1 B. 2 C. 3 D. 4
13	Zero vector is perpendicular to:	A. Every vector B. Unit vector only C. Position vector only D. Not any vector
14	Question Image <input style="width: 100%; height: 15px;" type="text"/>	A. 4a B. 2a C. 4b D. 2b
15	$\tanh x =$	
16	Question Image <input style="width: 100%; height: 15px;" type="text"/>	A. tan x B. cot x C. - tan x D. - cot x
17	$\text{Cosh}^2 x + \text{Sinh}^2 x =$	A. $\text{Cosh } x^{²}$ B. Cosh 2x C. Sinh 2x D. Tanh 2x

18	A chord passing through the focus of a parabola is called a _____ of the parabola:	A. Directrix B. Latus rectum C. Focus D. Focal chord
19	$y = b$ is a horizontal line perpendicular to _____:	A. x - axis B. y - axis may be C. y - axis D. None of these
20	Question Image <input data-bbox="391 324 1093 353" type="text"/>	
