

ICS Part 2 Mathematics Full Book Test Online

Sr	Questions	Answers Choice
1	Question Image <input style="width: 500px; height: 20px;" type="text"/>	A. $\ln \sec x + \tan x + c$ B. $\ln \operatorname{cosec} x - \cot x + c$ C. $\ln \sec x - \tan x + c$ D. $\ln \operatorname{cosec} x + \cot x + c$
2	The fixed point of the conic is called:	A. Directrix B. Vertex C. Focus D. None of these
3	Question Image <input style="width: 500px; height: 20px;" type="text"/>	A. 0 B. 1 C. e D. Does not exist
4	If in the case of translation of axes, $O(-3, 2)$, $(x, y) = (-6, 9)$ then $(X, Y) =$	A. (-3, 9) B. (-3, 7) C. (-9, 11) D. (3, 7)
5	Question Image <input style="width: 500px; height: 20px;" type="text"/>	B. 0
6	Question Image <input style="width: 500px; height: 20px;" type="text"/>	A. $x = a$ B. $x = 2$ C. $x = 0$ D. None
7	Question Image <input style="width: 500px; height: 20px;" type="text"/>	A. 0 B. 2 C. 1 D. 3
8	In the case of rotation of axes which formula is true:	
9	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
10	If a straight line is perpendicular to y-axis, then its slope is:	A. 1 B. -1 C. 0 D. undefined
11	The distance between two points $P_1(x_1, y_1)$ and $P_2(x_2, y_2)$ on the co-ordinate plane is given by:	
12	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
13	If the directed distances AP and PB have the opposite signs, i.e; p is beyond AB, then their ratio is negative and P is said to divide AB:	A. Internally B. May divide C. Externally D. None of these
14	$y - y_1 = m(x - x_1)$ is the equation of straight line in:	A. Slope-intercept form B. Point-slope form C. Normal form D. Intercepts form
15	If $y = f(x)$, then the variable x is called ----- variable of a function f.	A. Dependent B. Independent C. Image of y D. None of these
16	Question Image <input style="width: 500px; height: 20px;" type="text"/>	A. Common logarithmic B. Natural logarithmic C. Exponential D. None of these
17	$x = c$ is a line:	A. Perpendicular to x-axis B. Parallel to x-axis C. Perpendicular to y-axis

C. perpendicular to y axis
D. None of these

18 $i \cdot (j \cdot k) =$

- A. Meaningless
- B. -1
- C. 1
- D. 2

19 The graph of the parabola $x^2 = -4ay$ is symmetric about:

- A. x-axis
- B. major axis
- C. y-axis
- D. minor axis

20

- A. $\ln |\sin x|$
- B. $-\ln |\sin x|$
- C. $\ln |\cos x|$
- D. $-\ln |\cos x|$