

## ICS Part 2 Mathematics Full Book Test Online

Sr	Questions	Answers Choice
1	The derivative of x with respect to y is given by:	
2	For any point (x, y) and y - axis:	A. $y = 0$ B. $y = -1$ C. $y = 1$ D. $x = 0$
3	The axis of the parabola $x^2 = -4ay$ is:	A. $x = a$ B. $x = 0$ C. $y = a$ D. $y = 0$
4	Question Image <input style="width: 500px; height: 20px;" type="text"/>	
5	Question Image <input style="width: 500px; height: 20px;" type="text"/>	A. [0] B. [0, 0] C. [0, 0, 0] D. None of these
6	Question Image <input style="width: 500px; height: 20px;" type="text"/>	A. $\ln  \sin x $ B. $-\ln  \sin x $ C. $\ln  \cos x $ D. $-\ln  \cos x $
7	The curves obtained by cutting a _____ double right circular cone by a _____ are called conics:	A. Straight line B. Plane C. Curve D. None of these
8	Which of the following is a vector quantity ?	A. Work B. Temperature C. Distance D. Displacement
9	Question Image <input style="width: 500px; height: 20px;" type="text"/>	A. $\tan x + c$ B. $-\tan x + c$ C. $\sec x + c$ D. $-\sec x + c$
10	The ratio in which x-axis divides the line segment joining the points:	A. 1 : 1 B. 1 : 3 C. 1 : 5 D. 1 : 2
11	Question Image <input style="width: 500px; height: 20px;" type="text"/>	A. Constant B. Implicit C. Explicit D. Inverse
12	Two circles of radius 3 cm and 4 cm touch each other externally. The distance between their centers is:	A. 1 cm B. 7cm C. 4cm D. 5cm
13	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
14	Question Image <input style="width: 500px; height: 20px;" type="text"/>	
15	Question Image <input style="width: 500px; height: 20px;" type="text"/>	A. Parabola B. Hyperbola C. Ellipse D. Circle
16	Question Image <input style="width: 500px; height: 20px;" type="text"/>	
17	Question Image <input style="width: 500px; height: 20px;" type="text"/>	A. $\sin x$ B. $-\cos x$ C. $-\sin x$ D. $\cos x$
		A. x-axis

- 18 The graph of the parabola  $x^2 = -4ay$  is symmetric about:
- B. major axis
  - C. y-axis
  - D. minor axis
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- 19 The point of intersection of the medians of a triangle is called:
- A. Centroid
  - B. Ortho-center
  - C. Circums-center
  - D. In-center
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- 20 A quadrilateral having two parallels and two non-parallel sides is called:
- A. Trapezium
  - B. Rectangle
  - C. Rhombus
  - D. None of these
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