

ICS Part 2 Mathematics Full Book Test Online

Sr	Questions	Answers Choice
1	Question Image	
2	If the radius of a circle is zero, then the circle is called a / an:	A. Circle B. Circular cone C. Ellipse D. Point circle
3	Question Image	A. $\cot x$ B. $-\cot x$ C. $\operatorname{cosec} x \cot x$ D. $-\operatorname{cosec} x \cot x$
4	Question Image	A. Continuous at $x = 1$ B. Not continuous at $x = 1$ C. Both a and b D. none
5	A line segment joining two distinct points on a parabola is called a _____ of the parabola:	A. Chord B. Vertex C. Focus D. Directrix
6	$ax + by < c$ is an inequality of:	A. One variable B. Threevariable C. Twovariable D. Fourvariable
7	If the cone is cut by a plane perpendicular to the axis of the cone, then the section is a / an:	A. Parabola B. Circular cone C. Ellipse D. Circle
8	X-co-ordinate of centroid of triangle ABC with A(-2, 3); B(-4, 1); C(3, 5) equals:	A. -1 B. 1 C. 3 D. -3
9	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
10	Question Image	
11	Question Image	
12	If a circle and a line intersect in two points, then the line is called:	A. A chord B. A secant C. A diameter D. None of these
13	If the cutting plane is slightly tilted and cuts only one nappe of the cone, then the section is a / an:	A. Ellipse B. Circular cone C. Circle D. Point circle
14	Length of tangent from (0,1) to $x^2 + y^2 + 6x - 3y + 3 = 0$	A. 2 B. 1 C. 4 D. 3
15	If the equation of the parabola $x^2 = 4ay$, then opening of the parabola is upward of the:	A. x-axis B. y-axis C. Major axis D. Minor axis
16	$i \cdot (j \cdot k) =$	A. Meaningless B. -1 C. 1 D. 2
17	The centroid of the triangle whose vertices are (3, -5), (-7, 4) and (10, -2) is:	A. (-2, -2) B. (-2, 2) C. (2, -1) D. (2, 1)

D. (0, 0)

18 The range of the function $f(x) = |x|$

19 If (x, y) are the coordinates of a point, then the first component of the ordered pair is called:

- A. Abscissa
- B. Ordinate
- C. Coordinate axes
- D. None of these

20 The ordered pair _____ is a solution of the inequality $x + 2y < 6$.

- A. (3, 3)
 - B. (1, 1)
 - C. (4, 4)
 - D. (5, 5)
-