

ICS Part 2 Mathematics Full Book Test Online

Sr	Questions	Answers Choice
1	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
2	Question Image <input type="text"/>	A. 1 (1 - 4) B. 2x - 3 C. x - 3 D. $x^3 - 3x$
3	The focus of the parabola $y^2=4ax$ is:	A. (-a , 0) B. (0, a) C. (0, -a) D. (a, 0)
4	The graph of $2x + y < 2$ is the open half plane which is _____ the origin side of $2x + y = 2$:	A. At B. Not an C. On D. None of these
5	Question Image <input type="text"/>	A. 0 B. 2 C. 3 D. 1
6	If (1, x) is the mid point of the line segment joining the points (1, 2) & (1, 6) then x =	A. 1 B. 2 C. 3 D. 4
7	The axis of the parabola $x^2 = 4ay$ is:	A. x = 0 B. x = -a C. y = 0 D. y = -a
8	Question Image <input type="text"/>	
9	If the focus lies on the x-axis with coordinates F(a, 0) and directrix of the parabola is $y = -a$ then the equation of parabola is:	A. $x^2 = 4ay$ B. $y^2 = 4ax$ C. $-x^2 = 4ay$ D. $-y^2 = 4ax$
10	Question Image <input type="text"/>	A. 5 sin x B. cosh (5x) C. 5 cosh (5x) D. -5 cosh (5x)
11	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
12	Question Image <input type="text"/>	
13	The technique or method to find such a function whose derivative is given involves the inverse process of differentiation called:	A. Differentiation B. Integration C. Differential D. None of these
14	Two non parallel lines intersect each other at:	A. 1 point B. 2 points C. 3 points D. 4 points
15	Question Image <input type="text"/>	A. Scalar B. Free vector C. Unit vector D. Null vector
16	If the cutting plane is parallel to the axis of the cone and intersects both of its nappes, then the section a / an:	A. Parabola B. Hyperbola C. Ellipse D. None of these

17	Question Image <input type="text"/>	A. 1 B. 2 C. 3 D. 0
18	If the graph of f is entirely below the x -axis, then the definite integral is:	A. Positive B. Positive or negative C. Negative D. Positive and negative
19	The distance between the center of a circle and any point of the circle is called:	A. Tangents B. Secant C. Diameter D. Radius
20	$y - y_1 = m (x - x_1)$ is the equation of straight line in:	A. Slope-intercept form B. Point-slope form C. Normal form D. Intercepts form