ICS Part 2 Mathematics Full Book Test Online

Sr	Questions	Answers Choice
1	The ratio in which y-axis divides the line joining (2, -3) and (-5, 6) is:	A. 2 : 3 B. 2 : 5 C. 1 : 2 D. 3 : 5
2	The two parts of a right circular cones are called:	A. Nappes B. Apex of the cone C. Generator D. Vertex
3	The ratio in which the line segments joining (2, 3) and (4, 1) is divided by the line joining (1, 3) and (4, 3) is:	A. 2 : 1 B. 3 : 1 C. 1 : 2 D. 1 : 1
4	There are _____ feasible solutions in the feasible region:	A. Finitely B. Two C. Infinitely many D. Three
5	Question Image	A. 90° B. 30° C. 60° D. 0°
6	-4 < y < 4 is the solution of the following:	A. y = 5 B. y = 3 C. y = -4 D. y = 4
7	Perpendicular dropped from the center of a circle on a chord _____ the chord:	A. Normal B. Bisects C. Equal to D. None of these
8	Question Image	A. Integration B. Integration w.r.t.x. C. Differentiation D. Differentiation w.r.t.x
9	Question Image	A. 0 B. 2 C. 1 D. 3
10	Question Image	A. Open B. Closed C. Open as well as closed D. None of these
11	$\text{Cosh}^2 x - \text{Sinh}^2 x =$	A. 1 B. -1 C. 2 D. -2
12	If a point lies inside a circle, then its distance from the center is:	A. Equal to the radius B. Less then the radius C. Greater then the radius D. Equal to or greater than the
13	Question Image	A. Unit Vector B. Null vector C. Position vector D. None of these
14	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
15	Question Image	A. 4a B. 2a C. 4b D. 2b

16	(1, 0) is the solution of inequality :	A. 7x + 2y < 8 B. x - 3y < 0 C. 3x + 5y > 6 D. -3x + 5y > 2
17	Question Image	C. 0 D. 1
18	y = b is a horizontal line perpendicular to _____ :	A. x - axis B. y - axis may be C. y - axis D. None of these
19	Which are the following triples can be direction angles of a single vector:	A. 45°,45°,60° B. 30°,45°,60° C. 45°,60°,60° D. 30°,30°,30°
20	y = -2 is a line:	A. Parallel to x-axis B. Parallel to y-axis C. Perpendicular to x-axis D. None of these