ICS Part 2 Mathematics Full Book Test Online

Sr	Questions	Answers Choice
1	A region, which is restricted to the _____ quadrant, is referred to as a feasible region for the set of given contraints.	A. First B. Third C. Second D. Fourth
2	Question Image	
3	For different values of k, the equation 4x + 5y = k represents lines _____ to the line 4x + 5y = 0.	A. Perpendicular B. Parallel C. Equal D. None of these
4	x = c is a vertical line parallel to _____.	A. x-axis B. y-axis may be C. y-axis D. None of these
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	Question Image	A. e^{2x} sin x + c B. e^{2x}cosx + c C. -e^{2x}sin x + c D. -e^{2x}cosx + c
7	Question Image	
8	Parametric equations x = a cos t, y = a sin t represent the equation of:	A. Line B. Circle C. Parabola D. Ellipse
9	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
10	Question Image	B. 0
11	y = -2 is a line:	A. Parallel to x-axis B. Parallel to y-axis C. Perpendicular to x-axis D. None of these
12	A corner point is the point of intersection of:	A. x-axis & y - axis B. Boundary lines C. Any two lines D. None
13	Question Image	A. Parallel lines B. Perpendicular lines C. Non-parallel lines D. None of these
14	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
15	Question Image	A. sec x tan x B. - sec²x C. -sec x tan x D. sec²x
16	y = b is a horizontal line parallel to _____:	A. x - axis B. x - axis may be C. y - axis D. None of these
17	If f(x) = cos x then f'(0) is equal to:	A. 0 B. -1 C. 1

18	The equ. of directrix of the parabola $y^2 = -4ax$ is:	A. x = a B. x = - a C. y = a D. y = -a
19	If a = 0, then the line ax + by + c = 0 is parallel to:	A. y - axis B. x - axis C. along y - axis D. None of these
20	A unit vector is defined as a vector whose magnitude is:	A. 0 B. 2 C. 1 D. 4