ICS Part 2 Mathematics Full Book Test Online

Sr	Questions	Answers Choice
1	Question Image	A. 1 (1 - 4) B. 2x - 3 C. x - 3 D. x³ - 3x
2	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. Thre D. None of these
3	f(x) is odd function. If and only if:	A. f(-x) = -f(x) B. f(-x) = f(x) C. f(x) = 3f(-x) D. f(x) = -3f(-x)
4	Question Image	A. Free vector B. Unit vector C. Null vector D. None of these
5	Question Image	A. x = 0 B. y = -a C. y = 0 D. y = -a
6	x = 4 is a line:	A. Parallel to x - axis B. Parallel to y - axis C. Perpendicular to y-axis D. None of these
7	ax + by + c = 0 has matrix from as:	B. |ax + by| = |-c| C. [ax + by] = [c] D. [ax - by] = [-c]
8	A line which divides a plane into two parts is called:	A. Boundary point B. Boundary line C. Feasible line D. None
9	Gottfried Whilhelm Leibniz was a (an) ----- mathematician:	A. German B. English C. Swiss D. French
10	The feasible region is _____ if it can easily by enclosed within a circle.	A. Bounded B. Exist C. Unbounded D. None of these
11	The graph of linear equation of the form ax + by = c is a _____ where a, b and c are constants and a, b are not both zero.	A. Curve B. Circle C. Straight line D. Parabola
12	Question Image	A. e^{-x} sin x + c B. -e^{-x} sin x + c C. e^{-x}cosx + c D. -e^{-x}sin x + c
13	The inequality y > b is the open half plane to the _____ of the boundary line y = b:	A. Above B. Left C. Below D. Right
14	The line l is horizontal if and only if slope is equal to:	A. 0 B. 1 C. 2 D. undefined
15	y = b is a horizontal line parallel to _____:	A. x - axis B. x - axis may be C. y - axis D. None of these

16	General form of equation of line is:	A. ax - by + c = 0 B. ax + by - c = 0 C. ax + by + c = 0 D. ax - by - c = 0
17	Question Image	A. 4 B. 2 C. 1
18	Question Image	A. cot x B. - cot x C. cosec x cot x D. -cosec x cot x
19	A solution of a linear inequality in x and y is an ordered pair of numbers, which _____ the inequality.	A. Does not satisfy B. May be stisfied C. Satisfies D. None of these
20	Question Image	A. Integration by parts B. Definite integral C. Differentiation D. None of these