FSC Part 2 Mathematics Chapter 5 Online Test

Sr	Questions	Answers Choice
1	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
2	The inequality x < a is the open half plane to the _____ of the boundary line x = a:	A. Above B. Left C. Below D. Right
3	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
4	The feasible region is _____ if it can easily by enclosed within a circle.	A. Bounded B. Exist C. Unbounded D. None of these
5	Question Image	A. Left or right B. Upper or lower C. Open D. None of these
6	Question Image	A. One variable B. Three variable C. Two variable D. Four variable
7	Non-vertical lines divide the plane into_____half plane:	A. Upper and lower B. Many C. Left and Right D. None of these
8	A function, which is to be maximized or minimized is called an _____:	A. Maximum function B. Objective funciton C. Minimum function D. None of these
9	ax + b < c is a inequality of:	A. One variable B. Two variable C. Three variable D. Four variable
10	The non-negative inequalities are called:	A. Parameters B. Constants C. Decision variables D. Vertices
11	Question Image	A. (1, 1) B. (1, 3) C. (1, 4) D. (1, 5)
12	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
13	There are _____ feasible solutions in the feasible region:	A. Finitely B. Two C. Infinitely many D. Three
14	x = 4 is the solution of inequality:	A. x + 3 > 0 B. x - 3 < 0 C. -2x + 3 > 0 D. x + 3 < 0
15	Question Image	A. At B. Not on C. On D. None of these

16	The operation _____ by a positive constant to each side of inequality will affect the order (or sense) of inequality:	A. Adding B. Subtracting C. Multiplying D. None of these
17	If the line segment obtained by joining any two points of a region lies entirely within the region, then the region is called _____:	A. Maximum B. Vertex C. Minimum D. Convex
18	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
19	Question Image	A. Above B. Left C. Below D. Right
20	The system of _____ involved in the problem concerned is called problem constraints:	A. Linear inequalities B. Equations C. Linear equalities D. None of these