FSC Part 2 Mathematics Chapter 5 Online Test

Sr	Questions	Answers Choice
1	ax + b > c is an inequality of:	A. One variable B. Three variable C. Two variable D. Four variable
2	-4 < y < 4 is the solution of the following:	A. y = 5 B. y = 3 C. y = -4 D. y = 4
3	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
4	Question Image	A. (1, 1) B. (1, 3) C. (1, 4) D. (1, 5)
5	Non-vertical lines divide the plane into_____half plane:	A. Upper and lower B. Many C. Left and Right D. None of these
6	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
7	There are _____ ordered pairs that satisfy the inequality ax + by > c.	A. Finitely many B. Two C. Infinitely many D. Four
8	Question Image	A. Left or right B. Upper or lower C. Open D. None of these
9	A point of a solution region where two of its boundary lines intersects is called a _____ point of the solution region:	A. Maximum B. Corner C. Minimum D. None of these
10	A line which divides a plane into two parts is called:	A. Boundary point B. Boundary line C. Feasible line D. None
11	x = a is a vertical line perpendicular to _____.	A. x - axis B. x - axis may be C. y - axis D. None of these
12	The order (or sense) of an inequality is changed by _____, it each side by a negative constant.	A. Adding B. Subtracting C. Dividing D. None of these
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 region of the graph ax + by > c is called _____ half plane:	A. Open B. Boundary of C. Closed D. None of these
15	Question Image	A. Open B. Closed C. Open as well as closed D. None of these

16	The non-negative inequalities are called:	A. Parameters B. Constants C. Decision variables D. Vertices
17	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
18	ax + by < c is an inequality of:	A. One variable B. Threevariable C. Twovariable D. Fourvariable
19	The feasible region is _____ if it can easily by enclosed within a circle.	A. Bounded B. Exist C. Unbounded D. None of these
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