FSC Part 2 Mathematics Chapter 5 Online Test

Sr	Questions	Answers Choice
1	x = c is a vertical line parallel to _____.	A. x-axis B. y-axis may be C. y-axis D. None of these
2	The region of the graph ax + by > c is called _____ half plane:	A. Open B. Boundary of C. Closed D. None of these
3	x = 4 is the solution of inequality:	A. x + 3 > 0 B. x - 3 < 0 C. -2x + 3 > 0 D. x + 3 < 0
4	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
5	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
6	The system of _____ involved in the problem concerned is called problem constraints:	A. Linear inequalities B. Equations C. Linear equalities D. None of these
7	A line which divides a plane into two parts is called:	A. Boundary point B. Boundary line C. Feasible line D. None
8	y = b is a horizontal line parallel to _____:	A. x - axis B. x - axis may be C. y - axis D. None of these
9	The feasible solution, which maximizes or minimizes the objective function, is called the _____:	A. Maximum solution B. Optimal solution C. Minimum solutions D. None of these
10	y = b is a horizontal line perpendicular to _____:	A. x - axis B. y - axis may be C. y - axis D. None of these
11	ax + by < c is an inequality of:	A. One variable B. Threevariable C. Twovariable D. Fourvariable
12	Question Image	A. (1, 1) B. (1, 3) C. (1, 4) D. (1, 5)
13	Question Image	A. Above B. Left C. Below D. Right
14	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
15	The feasible region is _____ if it can easily by enclosed within a circle.	A. Bounded B. Exist C. Unbounded D. None of these

16	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
17	Question Image	A. One variable B. Three variable C. Two variable D. Four variable
18	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
19	Question Image	A. At B. Not on C. On D. None of these
20	Question Image	A. One variable B. Three variable C. Two variable D. Four variable