

FSC Part 2 Mathematics Chapter 5 Online Test

Sr	Questions	Answers Choice
1	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
2	$ax + b < c$ is a inequality of:	A. One variable B. Two variable C. Three variable D. Four variable
3	$x = 2$ is a vertical line perpendicular to _____:	A. x - axis B. x - axis may be C. y - axis D. None of these
4	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
5	The system of _____ involved in the problem concerned is called problem constraints:	A. Linear inequalities B. Equations C. Linear equalities D. None of these
6	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
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 <input style="width: 100%; height: 20px;" type="text"/>	A. (1, 1) B. (1, 3) C. (1, 4) D. (1, 5)
9	The ordered pair _____ is a solution of the inequality $x + 2y < 6$.	A. (3, 3) B. (1, 1) C. (4, 4) D. (5, 5)
10	$x = 4$ is the solution of inequality:	A. $x + 3 > 0$ B. $x - 3 \leq 0$ C. $-2x + 3 > 0$ D. $x + 3 \leq 0$
11	The region of the graph $ax + by > c$ is called _____ half plane:	A. Open B. Boundary of C. Closed D. None of these
12	The graph of $2x + y < 2$ is the open half plane which is _____ the origin side of $2x + y = 2$:	A. At B. Not an C. On D. None of these
13	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
14	$ax + b > c$ is an inequality of:	A. One variable B. Three variable C. Two variable D. Four variable
15	A line which divides a plane into two parts is called:	A. Boundary point B. Boundary line C. Feasible line D. None

16	A function, which is to be maximized or minimized is called an _____:	A. Maximum function B. Objective function C. Minimum function D. None of these
17	$y = b$ is a horizontal line parallel to _____:	A. x - axis B. x - axis may be C. y - axis D. None of these
18	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
19	$y = b$ is a horizontal line perpendicular to _____:	A. x - axis B. y - axis may be C. y - axis D. None of these
20	(1, 0) is the solution of inequality :	A. $7x + 2y < 8$ B. $x - 3y < 0$ C. $3x + 5y > 6$ D. $-3x + 5y > 2$