





## FSC Part 2 Mathematics Chapter 5 Online Test

Sr	Questions	Answers Choice
1		A. One variable B. Three variable C. Two variable D. Four variable
2	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
3	$ax + by < c$ is an inequality of:	A. One variable B. Threevariable C. Twovariable D. Fourvariable
4	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
5	The non-negative inequalities are called:	A. Parameters B. Constants C. Decision variables D. Vertices
6		A. Open B. Closed C. Open as well as closed D. None of these
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. Left or right B. Upper or lower C. Open D. None of these
9	$y = b$ is a horizontal line perpendicular to _____:	A. $x$ - axis B. $y$ - axis may be C. $y$ - axis D. None of these
10	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
11	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
12	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
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	$-4 < y < 4$ is the solution of the following:	A. $y = 5$ B. $y = 3$ C. $y = -4$ D. $y = 4$
15	$ax + b < c$ is a inequality of:	A. One variable B. Two variable C. Three variable D. Four variable

16	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
17	$x = c$ is a vertical line parallel to _____.	A. x-axis B. y-axis may be C. y-axis D. None of these
18	Question Image 	A. One variable B. Three variable C. Two variable D. Four variable
19	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
20	There are _____ ordered pairs that satisfy the inequality $ax + by > c$ .	A. Finitely many B. Two C. Infinitely many D. Four