


## FA Part 2 Mathematics Chapter 5 Test Online

Sr	Questions	Answers Choice
1	A line which divides a plane into two parts is called:	A. Boundary point B. Boundary line C. Feasible line D. None
2	Question Image	A. One variable B. Three variable C. Two variable D. Four variable
3	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
4	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
5	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
6	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
7	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
8	Question Image	A. Left or right B. Upper or lower C. Open D. None of these
9	$x = c$ is a vertical line parallel 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	$y = b$ is a horizontal line parallel to _____:	A. x - axis B. x - axis may be C. y - axis D. None of these
12	The region of the graph $ax + by > c$ is called _____ half plane:	A. Open B. Boundary of C. Closed D. None of these
13	There are _____ feasible solutions in the feasible region:	A. Finitely B. Two C. Infinitely many D. Three
14	The system of _____ involved in the problem concerned is called problem constraints:	A. Linear inequalities B. Equations C. Linear equalities D. None of these
15	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

16	A region, which is restricted to the _____ quadrant, is referred to as a feasible region for the set of given constraints.	A. First B. Third C. Second D. Fourth
17	The feasible region is _____ if it can easily be enclosed within a circle.	A. Bounded B. Exist C. Unbounded D. None of these
18	Question Image 	A. Above B. Left C. Below D. Right
19	$-4 < y < 4$ is the solution of the following:	A. $y = 5$ B. $y = 3$ C. $y = -4$ D. $y = 4$
20	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