FA Part 2 Mathematics Chapter 5 Test Online

Sr	Questions	Answers Choice
1	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
2	Question Image	A. One variable B. Three variable C. Two variable D. Four variable
3	The region of the graph ax + by > c is called _____ half plane:	A. Open B. Boundary of C. Closed D. None of these
4	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
5	A function, which is to be maximized or minimized is called an _____:	A. Maximum function B. Objective funciton C. Minimum function D. None of these
6	x = c is a vertical line parallel to _____.	A. x-axis B. y-axis may be C. y-axis D. None of these
7	ax + b < c is a inequality of:	A. One variable B. Two variable C. Three variable D. Four variable
8	There are _____ ordered pairs that satisfy the inequality ax + by > c.	A. Finitely many B. Two C. Infinitely many D. Four
9	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
10	x = 4 is the solution of inequality:	A. x + 3 > 0 B. x - 3 < 0 C. -2x + 3 > 0 D. x + 3 < 0
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 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	Question Image	A. Open B. Closed C. Open as well as closed D. None of these
14	ax + b > c is an inequality of:	A. One variable B. Three variable C. Two variable D. Four variable
15	There are _____ feasible solutions in the feasible region:	A. Finitely B. Two C. Infinitely many D. Three

16	x = a is a vertical line perpendicular to _____.	A. x - axis B. x - axis may be C. y - axis D. None of these
17	A region, which is restricted to the _____ quadrant, is referred to as a feasible region for the set of given contraints.	A. First B. Third C. Second D. Fourth
18	ax + by < c is an inequality of:	A. One variable B. Threevariable C. Twovariable D. Fourvariable
19	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
20	(1, 0) is the solution of inequality :	A. 7x + 2y < 8 B. x - 3y < 0 C. 3x + 5y > 6 D. -3x + 5y > 2