FA Part 2 Mathematics Chapter 5 Test Online

Sr	Questions	Answers Choice
1	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
2	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
3	The system of _____ involved in the problem concerned is called problem constraints:	A. Linear inequalities B. Equations C. Linear equalities D. None of these
4	ax + by < c is an inequality of:	A. One variable B. Threevariable C. Twovariable D. Fourvariable
5	ax + b < c is a inequality of:	A. One variable B. Two variable C. Three variable D. Four variable
6	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
7	Question Image	A. One variable B. Three variable C. Two variable D. Four variable
8	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
9	ax + b > c is an inequality of:	A. One variable B. Three variable C. Two variable D. Four variable
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	Question Image	A. At B. Not on C. On D. None of these
12	There are _____ feasible solutions in the feasible region:	A. Finitely B. Two C. Infinitely many D. Three
13	The feasible region is _____ if it can easily by enclosed within a circle.	A. Bounded B. Exist C. Unbounded D. None of these
14	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
15	Question Image	A. (1, 1) B. (1, 3) C. (1, 4) D. (1, 5)

16	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
17	y = b is a horizontal line perpendicular to _____:	A. x - axis B. y - axis may be C. y - axis D. None of these
18	x = 2 is a vertical line perpendicular to _____:	A. x - axis B. x - axis may be C. y - axis D. None of these
19	y = b is a horizontal line parallel to _____:	A. x - axis B. x - axis may be C. y - axis D. None of these
20	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