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	x = c is a vertical line parallel to _____.	A. x-axis B. y-axis may be C. y-axis D. None of these
3	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
4	The ordered pair _____ is a solution of the inequality x + 2y < 6.	A. (3, 3) B. (1, 1) C. (4, 4) D. (5, 5)
5	The feasible region is _____ if it can easily by enclosed within a circle.	A. Bounded B. Exist C. Unbounded D. None of these
6	Question Image	A. One variable B. Three variable C. Two variable D. Four variable
7	Question Image	A. Left or right B. Upper or lower C. Open D. None of these
8	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
9	The system of _____ involved in the problem concerned is called problem constraints:	A. Linear inequalities B. Equations C. Linear equalities D. None of these
10	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
11	Question Image	A. Open B. Closed C. Open as well as closed D. None of these
12	Non-vertical lines divide the plane into_____half plane:	A. Upper and lower B. Many C. Left and Right D. None of these
13	There are _____ feasible solutions in the feasible region:	A. Finitely B. Two C. Infinitely many D. Three
14	The region of the graph ax + by > c is called _____ half plane:	A. Open B. Boundary of C. Closed D. None of these
15	(1, 0) is the solution of inequality :	A. 7x + 2y < 8 B. x - 3y < 0 C. 3x + 5y > 6 D. -3x + 5y > 2

16	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
17	Question Image	A. Above B. Left C. Below D. Right
18	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
19	ax + by < c is an inequality of:	A. One variable B. Threevariable C. Twovariable D. Fourvariable
20	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