

## FA Part 2 Mathematics Chapter 5 Test Online

Sr	Questions	Answers Choice
1	A point of a solution region where two of its boundary lines intersects is called apoint of the solution region:	A. Maximum B. Corner C. Minimum D. None of these
2	ax + b < c is a inequality of:	A. One variable B. Two variable C. Three variable D. Four variable
3	x = a is a vertical line perpendicular to	A. x - axis B. x - axis may be C. y - axis D. None of these
4	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
5	A line which divides a plane into two parts is called:	A. Boundary point B. Boundary line C. Feasible line D. None
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. (1, 1) B. (1, 3) C. (1, 4) D. (1, 5)
8	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
9	(1, 0) is the solution of inequality:	A. 7x + 2y < 8 B. x - 3y < 0 C. 3x + 5y > 6 D3x + 5y > 2
10	ax + by < c is an inequality of:	A. One variable B. Threevariable C. Twovariable D. Fourvariable
11	Question Image	A. One variable B. Three variable C. Two variable D. Four variable
12	Question Image	A. Above B. Left C. Below D. Right
13	There are feasible solutions in the feasible region:	A. Finitely B. Two C. Infinitely many D. Three
14	The non-negative inequalities are called:	A. Parameters B. Constants C. Decision variables D. Vertices
15	ax + b > c is an inequality of:	A. One variable B. Three variable C. Two variable D. Four variable

16	x = 2 is a vertical line perpendicular to:	A. x - axis B. x - axis may be C. y - axis D. None of these
17	Question Image	A. One variable B. Three variable C. Two variable D. Four variable
18	The region of the graph ax + by > c is called half plane:	A. Open B. Boundary of C. Closed D. None of these
19	The order (or sense) of an inequality is changed by, it each side by a negative constant.	<ul><li>A. Adding</li><li>B. Subtracting</li><li>C. Dividing</li><li>D. None of these</li></ul>
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