

FA Part 2 Mathematics Chapter 5 Test Online

Sr	Questions	Answers Choice
1	Question Image	A. One variable B. Three variable C. Two variable D. Four variable
2	Question Image	A. One variable B. Three variable C. Two variable D. Four variable
3	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
4	$y = b$ is a horizontal line perpendicular to _____:	A. x - axis B. y - axis may be C. y - axis D. None of these
5	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
6	$x = 4$ is the solution of inequality:	A. $x + 3 > 0$ B. $x - 3 < 0$ C. $-2x + 3 > 0$ D. $x + 3 < 0$
7	A function, which is to be maximized or minimized is called an _____:	A. Maximum function B. Objective function C. Minimum function D. None of these
8	There are _____ feasible solutions in the feasible region:	A. Finitely B. Two C. Infinitely many D. Three
9	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. Three D. None of these
10	The feasible region is _____ if it can easily be enclosed within a circle.	A. Bounded B. Exist C. Unbounded D. None of these
11	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
12	A corner point is the point of intersection of:	A. x-axis & y - axis B. Boundary lines C. Any two lines D. None
13	A line which divides a plane into two parts is called:	A. Boundary point B. Boundary line C. Feasible line D. None
14	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
15	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

16	$ax + b < c$ is a inequality of:	A. One variable B. Two variable C. Three variable D. Four variable
17	$x = a$ is a vertical line perpendicular to _____.	A. x - axis B. x - axis may be C. y - axis D. None of these
18	Question Image	A. At B. Not on C. On D. None of these
19	Question Image	A. Above B. Left C. Below D. Right
20	Question Image	A. Left or right B. Upper or lower C. Open D. None of these