




FA Part 2 Mathematics Full Book Test Online

Sr	Questions	Answers Choice
1	There are _____ feasible solutions in the feasible region:	A. Finitely B. Two C. Infinitely many D. Three
2	The feasible region is _____ if it can easily be enclosed within a circle.	A. Bounded B. Exist C. Unbounded D. None of these
3	A region, which is restricted to the _____ quadrant, is referred to as a feasible region for the set of given constraints.	A. First B. Third C. Second D. Fourth
4	A corner point is the point of intersection of:	A. x-axis & y - axis B. Boundary lines C. Any two lines D. None
5	A point of a solution region where two of its boundary lines intersect is called a _____ point of the solution region:	A. Maximum B. Corner C. Minimum D. None of these
6	A line which divides a plane into two parts is called:	A. Boundary point B. Boundary line C. Feasible line D. None
7	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
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		A. At B. Not on C. On D. None of these
10		A. Left or right B. Upper or lower C. Open 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 on C. On D. None of these
12		A. Open B. Closed C. Open as well as closed D. None of these
13	The order (or sense) of an inequality is changed by _____, if each side by a negative constant.	A. Adding B. Subtracting C. Dividing D. None of these
14	There are _____ ordered pairs that satisfy the inequality $ax + by > c$.	A. Finitely many B. Two C. Infinitely many D. Four
15	The region of the graph $ax + by > c$ is called _____ half plane:	A. Open B. Boundary of C. Closed D. None of these

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. One variable B. Three variable C. Two variable D. Four variable
18	$ax + by < c$ is an inequality of:	A. One variable B. Threevariable C. Twovariable D. Fourvariable
19	The non-negative inequalities are called:	A. Parameters B. Constants C. Decision variables D. Vertices
20	Question Image	A. Above B. Left C. Below D. Right