ICS Part 2 Mathematics Chapter 5 Test Online

Sr	Questions	Answers Choice
1	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
2	The feasible region is _____ if it can easily by enclosed within a circle.	A. Bounded B. Exist C. Unbounded D. None of these
3	$ax + b < c$ is a inequality of:	A. One variable B. Two variable C. Three variable D. Four variable
4	Question Image	A. Above B. Left C. Below D. Right
5	$ax + by < c$ is an inequality of:	A. One variable B. Threevariable C. Twovariable D. Fourvariable
6	The ordered pair _____ is a solution of the inequality $x + 2y < 6$.	A. (3, 3) B. (1, 1) C. (4, 4) D. (5, 5)
7	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
8	$y = b$ is a horizontal line perpendicular to _____:	A. x - axis B. y - axis may be C. y - axis D. None of these
9	The region of the graph $ax + by > c$ is called _____ half plane:	A. Open B. Boundary of C. Closed D. None of these
10	Non-vertical lines divide the plane into_____half plane:	A. Upper and lower B. Many C. Left and Right D. None of these
11	Question Image	A. Left or right B. Upper or lower C. Open D. None of these
12	$x = c$ is a vertical line parallel to _____.	A. x-axis B. y-axis may be C. y-axis D. None of these
13	Question Image	A. Open B. Closed C. Open as well as closed D. None of these
14	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
15	$ax + b > c$ is an inequality of:	A. One variable B. Three variable C. Two variable D. Four variable

16	The non-negative inequalities are called:	A. Parameters B. Constants C. Decision variables D. Vertices
17	Question Image	A. (1, 1) B. (1, 3) C. (1, 4) D. (1, 5)
18	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
19	A region, which is restricted to the _____ quadrant, is referred to as a feasible region for the set of given contraints.	A. First B. Third C. Second D. Fourth
20	A line which divides a plane into two parts is called:	A. Boundary point B. Boundary line C. Feasible line D. None