ICS Part 2 Mathematics Chapter 5 Test Online

Sr	Questions	Answers Choice
1	Question Image	A. Open B. Closed C. Open as well as closed D. None of these
2	The non-negative inequalities are called:	A. Parameters B. Constants C. Decision variables D. Vertices
3	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
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	ax + b > c is an inequality of:	A. One variable B. Three variable C. Two variable D. Four variable
6	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
7	Question Image	A. One variable B. Three variable C. Two variable D. Four variable
8	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
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	ax + by < c is an inequality of:	A. One variable B. Threevariable C. Twovariable D. Fourvariable
11	Question Image	A. (1, 1) B. (1, 3) C. (1, 4) D. (1, 5)
12	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
13	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
14	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
15	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

16	There are _____ ordered pairs that satisfy the inequality ax + by > c.	A. Finitely many B. Two C. Infinitely many D. Four
17	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
18	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
19	x = c is a vertical line parallel to _____.	A. x-axis B. y-axis may be C. y-axis D. None of these
20	A line which divides a plane into two parts is called:	A. Boundary point B. Boundary line C. Feasible line D. None