

## ICS Part 2 Mathematics Chapter 5 Test Online

Sr	Questions	Answers Choice
1	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
2	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
3	A line which divides a plane into two parts is called:	A. Boundary point B. Boundary line C. Feasible line D. None
4	The feasible region is if it can easily by enclosed within a circle.	A. Bounded B. Exist C. Unbounded D. None of these
5	Question Image	A. At B. Not on C. On D. None of these
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	ax + by < c is an inequality of:	A. One variable B. Threevariable C. Twovariable D. Fourvariable
8	x = 4 is the solution of inequality:	A. x + 3 > 0 B. x - 3 < 0 C2x + 3 > 0 D. x + 3 < 0
9	x = 2 is a vertical line perpendicular to:	A. x - axis B. x - axis may be C. y - axis D. None of these
10	Question Image	A. Above B. Left C. Below D. Right
11	The non-negative inequalities are called:	A. Parameters B. Constants C. Decision variables D. Vertices
12	Question Image	A. Left or right B. Upper or lower C. Open D. None of these
13	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. Thre D. None of these
14	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
15	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

16	y = b is a horizontal line parallel to:	A. x - axis B. x - axis may be C. y - axis D. None of these
17	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
18	Question Image	A. One variable B. Three variable C. Two variable D. Four variable
19	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
20	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