

## ICS Part 2 Mathematics Chapter 5 Test Online

Sr	Questions	Answers Choice
1	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
2	Question Image	A. One variable B. Three variable C. Two variable D. Four variable
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	There are ordered pairs that satisfy the inequality ax + by > c.	A. Finitely many B. Two C. Infinitely many D. Four
5	ax + b > c is an inequality of:	A. One variable B. Three variable C. Two variable D. Four variable
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 ordered pair is a solution of the inequality x + 2y < 6.	A. (3, 3) B. (1, 1) C. (4, 4) D. (5, 5)
8	ax + b < c is a inequality of:	A. One variable B. Two variable C. Three variable D. Four variable
9	x = a is a vertical line perpendicular to	A. x - axis B. x - axis may be C. y - axis D. None of these
10	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
11	The system of involved in the problem concerned is called problem constraints:	A. Linear inequalities B. Equations C. Linear equalities D. None of these
12	The non-negative inequalities are called:	A. Parameters B. Constants C. Decision variables D. Vertices
13	x = c is a vertical line parallel to	A. x-axis B. y-axis may be C. y-axis D. None of these
14	(1, 0) is the solution of inequality:	A. 7x + 2y < 8  B. x - 3y < 0  C. 3x + 5y > 6  D3x + 5y > 2
15	Question Image	A. Left or right B. Upper or lower C. Open D. None of these

16	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
17	Question Image	A. Open B. Closed C. Open as well as closed D. None of these
18	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
19	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
20	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