


## ICS Part 2 Mathematics Chapter 5 Test Online

Sr	Questions	Answers Choice
1	$x = a$ is a vertical line perpendicular to _____.	A. $x$ - axis B. $x$ - axis may be C. $y$ - axis D. None of these
2	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
3	$ax + b < c$ is a inequality of:	A. One variable B. Two variable C. Three variable D. Four variable
4	The system of _____ involved in the problem concerned is called problem constraints:	A. Linear inequalities B. Equations C. Linear equalities D. None of these
5	$x = c$ is a vertical line parallel to _____.	A. $x$ -axis B. $y$ -axis may be C. $y$ -axis D. None of these
6	A corner point is the point of intersection of:	A. $x$ -axis & $y$ - axis B. Boundary lines C. Any two lines D. None
7	Question Image	A. Left or right B. Upper or lower C. Open D. None of these
8	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
9	Question Image	A. At B. Not on C. On D. None of these
10	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
11	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
12	$-4 < y < 4$ is the solution of the following:	A. $y = 5$ B. $y = 3$ C. $y = -4$ D. $y = 4$
13	The region of the graph $ax + by > c$ is called _____ half plane:	A. Open B. Boundary of C. Closed D. None of these
14	Question Image	A. One variable B. Three variable C. Two variable D. Four variable
15	$y = b$ is a horizontal line perpendicular to _____:	A. $x$ - axis B. $y$ - axis may be C. $y$ - axis D. None of these

16	There are _____ feasible solutions in the feasible region:	A. Finitely B. Two C. Infinitely many D. Three
17	The ordered pair _____ is a solution of the inequality $x + 2y < 6$ .	A. (3, 3) B. (1, 1) C. (4, 4) D. (5, 5)
18	Question Image 	A. Above B. Left C. Below D. Right
19	The non-negative inequalities are called:	A. Parameters B. Constants C. Decision variables D. Vertices
20	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