

ICS Part 2 Mathematics Chapter 5 Test Online

Sr	Questions	Answers Choice
1	The feasible region is _____ if it can easily be enclosed within a circle.	A. Bounded B. Exist C. Unbounded D. None of these
2	Question Image <input style="width: 100%; height: 20px;" type="text"/>	A. Above B. Left C. Below D. Right
3	A point of a solution region where two of its boundary lines intersect is called a _____ point of the solution region:	A. Maximum B. Corner C. Minimum D. None of these
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	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
6	$y = b$ is a horizontal line parallel to _____:	A. x - axis B. x - axis may be C. y - axis D. None of these
7	$x = 4$ is the solution of inequality:	A. $x + 3 > 0$ B. $x - 3 < 0$ C. $-2x + 3 > 0$ D. $x + 3 < 0$
8	$x = c$ is a vertical line parallel to _____.	A. x-axis B. y-axis may be C. y-axis D. None of these
9	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
10	There are _____ ordered pairs that satisfy the inequality $ax + by > c$.	A. Finitely many B. Two C. Infinitely many D. Four
11	Question Image <input style="width: 100%; height: 20px;" type="text"/>	A. One variable B. Three variable C. Two variable D. Four variable
12	There are _____ feasible solutions in the feasible region:	A. Finitely B. Two C. Infinitely many D. Three
13	$ax + b > c$ is an inequality of:	A. One variable B. Three variable C. Two variable D. Four variable
14	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 satisfied C. Satisfies D. None of these
15	Question Image <input style="width: 100%; height: 20px;" type="text"/>	A. At B. Not on C. On D. None of these

16	Question Image	A. Open B. Closed C. Open as well as closed D. None of these
17	The non-negative inequalities are called:	A. Parameters B. Constants C. Decision variables D. Vertices
18	$y = b$ is a horizontal line perpendicular to _____:	A. x - axis B. y - axis may be C. y - axis D. None of these
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	$x = a$ is a vertical line perpendicular to _____.	A. x - axis B. x - axis may be C. y - axis D. None of these