

ICS Part 2 Mathematics Chapter 5 Test Online

Sr	Questions	Answers Choice
1	The system of involved in the problem concerned is called problem constraints:	A. Linear inequalities B. Equations C. Linear equalities D. None of these
2	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
3	-4 < y < 4 is the solution of the following:	A. y = 5 B. y = 3 C. y = -4 D. y = 4
4	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
5	A corner point is the point of intersection of:	A. x-axis & amp; y - axis B. Boundary lines C. Any two lines D. None
6	Question Image	A. (1, 1) B. (1, 3) C. (1, 4) D. (1, 5)
7	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
8	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
9	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
10	A point of a solution region where two of its boundary lines intersects is called apoint of the solution region:	A. Maximum B. Corner C. Minimum D. None of these
11	y = b is a horizontal line perpendicular to:	A. x - axis B. y - axis may be C. y - axis D. None of these
12	Question Image	A. Open B. Closed C. Open as well as closed D. None of these
13	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
14	Question Image	A. Left or right B. Upper or lower C. Open D. None of these
15	The feasible region is if it can easily by enclosed within a circle.	A. Bounded B. Exist C. Unbounded D. None of these

16	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
17	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
18	Question Image	A. At B. Not on C. On D. None of these
19	The region of the graph ax + by > c is called half plane:	A. Open B. Boundary of C. Closed D. None of these
20	The non-negative inequalities are called:	A. Parameters B. Constants C. Decision variables D. Vertices