

Mathematics - ICS Part 2 Mathematics Chapter 5 Short Questions Preparation

Q1.

Ans 1:

Q2. Define non-negative constraints and decision variable.

Ans 1: The variables used in the system of linear inequalities relating to the problems of everyday life non-negative are called non-negative constraints. The non-negative variables are called decision variables.

Q3.

Ans 1:

Q4. Define the solution region.

Ans 1: The common region of all the graphs of each of inequality is the system on the same coordinate axes is called the solution region for the system of inequalities.

Q5.

Ans 1:

Q6. Check whether the region of graph $2x + 3y > 1$ lies on the origin side or not.

Ans 1: The graph of $2x + 3y > 1$ is an open half plane.
As $2(0) + 3(0) > 1$ is not true.
So the region is not on the origin side.

Q7.

Ans 1:

Q8.

Ans 1:

Q9.

Ans 1:

Q10. Define a feasible solution set.

Ans 1: A set containing of all the feasible solution of the system of linear inequalities is called a feasible solution set.
