

Subject: Business Economics

Course: B.A., 6th Semester, Undergraduate.

Paper No: 631

Paper Title: Advance Mathematical Techniques.

Unit No.: 3 (Three)

Title: Linear Programming.

Lecture No: 1 (One)

Title: Duality in Linear Programming.

Glossary

Dual: Every primal LP has dual LP known as dual LP.

Symmetric Primal Problem: A primal problem is said to be symmetric if all constraints are of the type " \leq ".

Unsymmetric Primal Problem: A primal problem is said to be symmetric if all constraints are of the type " $=$ ".

Shadow Price: Shadow price of a given constraint of an LPP is the amount by which the optimal value of the objective function is improved if the right hand side of the constraint is increased by one unit.