

(PERT)-expected time, and variance and expected duration of the project with simple examples.

BOOKS FOR STUDY:

1. Operations research – S.D. Sharma
2. Operations research – Taha. H.A.

BOOKS FOR REFERENCE:

1. Operations research --Wagner
2. Operations research – Kanthi swaroop
3. Operations research – V.K. Kapoor
4. Operations research – Kanthi swaroop and other.
5. Linear Programming - Hadley G

PRACTICAL

Objectives:

To find the linear programming problems by Big M method

To draw the network representation of CPM

To find the linear programming problems using dual simplex method.

Course

1. Formulation of graphical solutions of LPP (using different inequality type constraints).
2. Formulation of LPP by Simplex method.
3. Formulation of a LPP using BIG-M and Two-Phase Simplex method.
4. Formulation of LPP using Dual Simplex method.
5. Programming problems on branch and bound techniques.
6. Network diagrammatic representation on CPM.
7. Network problems on PERT technique.
8. MS-Excel methods for above serial numbers (2, 3, 4, 5, 6, 7,) (any one of above

