

PRACTICALS – Semester –VI

Paper –VIII (A₁) - OPIMIZATION TECHNIQUES

1. Formulation and graphical solutions of LPP (using different inequality type constraints).
2. Solution of LPP by simplex method.
3. Solution of LPP using BIG-M method.
4. Solution of an LPP using Two-Phase simplex method.
5. Solution of an LPP using Principal of Duality.
6. Solution of an LPP using Dual simplex method.
7. MS-Excel practical's using TORA for 2, 3, 4, 5, & 6.

Handwritten signature

PRACTICALS – Semester –VI

Paper VIII (A₂) – Operation Research

1. Solution of and LPP using revised simplex method.
2. Formulation of Transportation problem.
3. Solution of Transportation Problems Using North – West corner rule.
4. Solution of Transportation problems using Matrix minima or least cost entry method.
5. Solution of Transportation problem using VAM.
6. Optimum solution to balanced and unbalanced Transportation Problem by MODI method.
7. Formulation and Solution of Assignment Problem using Hungarian method (Both maximization and minimization cases)
8. Solution of unbalanced Assignment problem.
9. Solution of traveling salesman problem.
10. Solution of Sequencing problem – processing of n Jobs through two machines and processing of n Jobs through three machines’.
11. MS-Excel using TORA for 1,2,3,4,5,6, & 7 practical’s.

Plumber