IMB 303   QUANTITATIVE TECHNIQUES

1. **Network Analysis:** PERT and CPM: Introduction, Basic differences between PERT and CPM, Steps in PERT/ CPM techniques, PERT/ CPM network components and precedence relationships, Project –time / cost trade off

2. **Linear Programming Problems:** Mathematical formulation; graphical solution Methods; general LPP; Simplex method: computational procedure; big M method; duality in LPP.

3. **Transportation and Assignment Problems**

4. **Sequencing Problems**

5. **Theory of Games and Queuing**

   Text Books:
1. Quantitative Techniques-Theory and Problems : Tulsian and Pandey (Pearson)
2. Statistical Methods and Quantitative Techniques: Digambar Patri (KP)
3. Quantitative Techniques for Managerial decisions: JK Sharma (Macmillan)