

SYLLABUS :-

Linear programming: concepts, graphical solutions, simplex method, primal-dual models, sensitivity analysis, transportation and assignment problems. Network analysis - problems of shortest path, minimal spanning tree, maximal flow, CPM and PERT. Dynamic programming and stagecoach problem; Discrete and continuous probability distributions, stochastic process and Markov chains; Basic queuing models with constant arrival and service rates; Inventory models.