

OPERATION RESEARCH FOR HOSPITAL ADMINISTRATION

Objective : To provide knowledge on the different methods involved in operation research of Hospitals.

Unit - I

Operation Research - An introduction - Mathematical formulation of L.P.P.

Unit – II

Simplex method – Big M Method, Two phase method – Duality problem

Unit – III

Assignment models – Queueing models – Single channel and multi channel model (M/M/I & M / M/C) models.

Unit IV

Simulation – Event type simulation, Transportation model

Unit V

Gnatt chart, PERT/ Time and PERT / Cost CPM Techniques

Text Books :-

S.No	AUTHOR	TITLE	PUBLICATION
1.	Hamdy A.Taha	Operation Research – An Introduction	McMillan Publishing Co.Inc.
2.	Kanti Swarup & Gupta	Operation Research	S.Chand

Reference Books:

1.	Shiv K.Gupta And John M.Cozzolino	Fundamentals Of Operations Research For Management	Holden Day Inc.
2.	Kanti Swarup P.K.Gupta & Man Mohan	Operation Research	Chand & Sons
3.	Hamdy A.Taha	Operation Research	Prentice Hall Of India Pvt.Ltd.
4.	S.K.Mittal Pvagati Prakashan	Operation Research	Pragati Prakasan
5.	Frank S. Budnick Dennis Mcleavy Richard Mojena	Principles Of Operation Research For Management	All India Traveller Book Seller.