

	<b>GURGAON INSTITUTE OF TECHNOLOGY &amp; MANAGEMENT</b>
	<b>COURSE PLAN</b>

Name of the Teacher RAJBIR SINGH	
Department: Applied Science	Session Jan-May 2018
Branch/Semester: -MBA-II	Subject Name & Code: MBA-207

1. Paneerselvam, Operations Research, Prentice Hall of India, N.Delhi.
2. Taha, Operations Research: An Introduction, Prentice Hall of India, N.Delhi.
3. Vohra, N.D.; Quantitative Techniques in Management; Tata McGraw Hill Publishing Company
4. Kapoor, V.K., Operations Research; Sultan Chand & Sons, New Delhi.

Lecture No.	Topics to be Covered
1.	Operation Research and decision making-
2.	Development, Definition, Characteristics, Necessity, Scope, Applications
3.	Advantages, Limitations
4.	Methodology and role in managerial decision making constructing the model.
5.	Linear Programming
6.	Requirements, Assumptions, Applications, Formulation of linear programming problem, Advantages, Limitations
7.	Simplex method - Graphical method of solution
8.	Problems in Simplex method
9.	Transportation problem including transshipment problem
10.	Special case in Transportation problem
11.	Transportation problem – Assumption, Definition
12.	Formulation and Solution - North west corner method
13.	LCM and Vogel's approximation method
14.	Maximize objective and multiple optimal solution
15.	Assignment problem including traveling salesman's problem
16.	Special case in assignment problem
17.	Unbalanced problem

