Name of Faculty		Ms. Shivani			
Discipline		Management (MBA)			
Semester		Second Semester (II)			
Subject		Management Science (CP-201)			
Lesson Plan Duration		15 Weeks (January 2018 to April 2018)			
Work Load per week		4 Lectures per week			
Week		Theory		Practical	
	Lecture Day	Topic (Including Assignment/Test)		Practical Day	Topic (Including Assignment/Test)
1	1st	Introduction, Meaning, Scope & Definition of Management Science		N/A	N/A
	2nd	Operations Research: Evolution			
	3rd	Methodology of O.R.			
	4th	Role of OR in managerial decision making			
2	5th	Linear programming: Meaning, assumptions, advantages, scope and limitations			
	6th	Formulation of problem			
	7th	Solution by graphical method		1st	ClassTest
	8th	Solution by simplex method		N/A	N/A
3	9th	Cases in simplex method: infeasibility			
	10th	Integer Programming			
	11th	Degeneracy			
	12th	Unboundedness and multiple optimal solutions		2nd	ClassTest
4	13th	Duality		N/A	N/A
	14th	Transportation problems			
	15th	Transhipment problems			
	16th	Special cases in transportation problems: unbalanced problems			
5	17th	Degeneracy			
	18th	Maximization objective and multiple optimal solutions			
	19th	Assignment problems including traveling salesman's problem			
	20th	Special cases in assignment problems: unbalanced problems		3rd	Assignment
6	21st 22nd 23rd 24th	Sessional-I		N/A	N/A
7	25th	Maximization objective and multiple optimal solutions		N/A	N/A
	26th	PERT/CPM: Difference between PERT and CPM			
	27th	Network construction			
	28th	Calculating EST, EFT, LST, LFT			
8	29th	Problem solving Session on		4th	Linear Programming, Assignment Problem
	30th	Floats		N/A	N/A
	31st	Probability considerations in PERT			
	32nd	Critical Path Methods			
9	33rd	Time-cost trade-off			
	34th	Decision theory			
	35th	Decision making under uncertainty and risk			
	36th	Decision making under certainity		5th	Assignment
10	37th	Bayesian analysis		N/A	N/A

	38th	Decision trees		
	39th	Pure strategy games		
	40th	Mixed strategy games		
11	41st	Principle of dominance		
	42nd	Two person zero sum game		
	43rd	Arithmetic Method & Graphic Method		
	44th	Problem Solving Session on	6th	Inventory Management
12	45th	Sessional-II	N/A	N/A
	46th			
	47th			
	48th			
13	49th	Queuing theory: concept, assumptions and applications		
	50th	Analysis of queue system		
	51st	Poisson distributed arrivals and exponentially distributed service time models (MM1 and MMK);		
	52nd	Simulation - meaning, Nature, Process		
14	53rd	Advantages, limitations and applications		
	54th	Monti Carlo Simulation		
	55th	Inventory Management - meaning, types, methods		
	56th	Techniques of Inventory Management		
15	57th	Reasons for holding inventories		
	58th	Economic Order Quantity		
	59th	Revision Session		
	60th	Last Year Question Papers Discussion		