

Assignment
Sem-5
Minor-2
Operation Research-II
DSC-M-STA-355

	Unit-1 Decision Theory	
Q-1	What is the decision theory?	
Q-2	Write the definitions of the following: a) Act b) Event c) Pay of Matrix	
Q-3	Write short note: a) EMV b) EVPI	
Q-4	Examples (Illustrations): 1,3,4,5	
	Unit-2 Game theory	
Q-1	Explain: 1) Saddle Point 2) Pure and Mixed Strategy	
Q-2	Explain the principles of Dominance.	
Q-3	State the assumptions of game theory.	
Q-4	Examples (Illustrations): 1,4,5,6	
	Unit-3 PERT and CPM	
Q-1	Explain the following terms: a) Activity b) Event c) Expected time (Formula) d) Dummy Activity	
Q-2	Give the difference between PERT and CPM.	

Q-3	Explain the meaning of PERT and give its characteristics. Also advantageous and limitation of PERT.	
Q-4	Examples (Illustrations): 4,5,8	
	Unit-4 Sequencing Problem	
Q-1	Give Principles assumption made while dealing with sequencing problem.	
Q-2	Examples (Illustration): 2,3,5.	