00318

## MASTERS OF BUSINESS ADMINISTRATION (SUPPLY CHAIN MANAGEMENT) (MBASCMFL)

### **Term-End Examination**

#### December, 2012

# MCQ-021 : QUANTITATIVE TECHNIQUES OF SUPPLY CHAIN - 3

Time: 2 hours Maximum Marks: 50

Note: Attempt any five questions. All questions carry equal marks.

- 1. Distinguish between the following:
  - (a) Mathematical model and Economic model. 5
  - (b) Convex linear and convex non-linear model. 5
- 2. Explain graphical presentation of a model and also explain the limitations of graphical presentation.
- 3. What is scientific decision making process? 10 Discuss the role of statistical method for it.
- 4. A decision problem has been expressed in the following pay off table :

#### Out come

	(I)	(II)	(III)
(A)	10	20	26
(B)	30	30	60
(C)	40	30	20

Action

	(a)	What is minimum pay off action?	
	(b)	What is the minimum opportunity loss function ?	5
5.	•	ain the following terms, by giving a suitable	
	(a)	Cooperative and non cooperative Game.	5
	(b)	Two - person zero - sum Game.	5
6.		te the augmented path algorithm for the imum flow problem.	10
7.		ne any Stackelberg differential game model ne supply chain management.	10
8.		at do you understand by Maximum flow plem in Network Analysis ?	10