

**(DEMB 8)**

**EXECUTIVE M.B.A. DEGREE EXAMINATION, MAY - 2015**

**First and Second Year**

**Paper-VIII : OPERATIONS MANAGEMENT**

**Time : 03 Hours**

**Maximum Marks : 75**

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**SECTION-A**

**(3 x 5 = 15)**

**Answer Any Three of the following**

- 1) a) Value added process.  
b) Quality assurance.  
c) Six sigma.  
d) Batch production  
e) Aggregate planning.  
f) Lead time.

**SECTION-B**

**(3 x 15 = 45)**

**Answer Any Three of the following**

- 2) Explain different types of production systems.  
3) State the functions of master production schedule.  
4) Explain the models of EOQ.  
5) Describe the techniques of waste management.  
6) What is the role of operating management in strategic management.  
7) Enumerate the principles followed while designing plant lay out.

**SECTION-C**

**(15)**

**(Compulsory)**

- 8) Consider the following data on locating a new facility which has to serve a 5 different existing facilities. The coordinates of the existing facilities are (30, 20) (40, 50) (30, 30) (15, 30) and (20, 40). The number of tons of material transported per year from the new facility to each of the existing facilities is given below. Find the optimal X and Y coordinates of the new facility.

	Existing facility				
	1	2	3	4	5
New facility	1000	980	1500	2000	1750