

Roll No.

Total No. of Pages : 02

Total No. of Questions : 08

M.Tech. (ME) (2017 Onwards) (Sem.-3)

SUPPLY CHAIN MANAGEMENT

Subject Code : MTME-212

M.Code : 74988

Time : 3 Hrs.

Max. Marks : 100

INSTRUCTIONS TO CANDIDATES :

1. Attempt any FIVE questions out of EIGHT questions.
2. Each question carries TWENTY marks.

1.
 - a) Explain the role of transportation and inventory in Supply chain. (10)
 - b) Discuss the framework for structuring drivers of supply chain. (10)
2.
 - a) Explain objectives and stages of supply chain. (10)
 - b) Discuss the possible obstacles that may come in SCM to achieve strategic fit. (10)
3.
 - a) Explain the Push, Pull and Push-pull systems. What is the effect of moving push pull boundary earlier in the supply chain? (10)
 - b) Explain the importance of supply chain flows with one example. (10)
4.
 - a) A company is considering redesigning its logistics network. Evaluate the following options available to the company :
 - i) Having a small number of centrally located warehouses. (5)
 - ii) A large number of warehouses closer to end customers. (5)
 - b) Define safety stock and how is it determined in automobile industries? Explain. (10)
5.
 - a) Explain the design options for a transport network. (10)
 - b) Discuss the modes of transportation and their performance characteristics in SCM. (10)

6. a) While Hyundai India Limited has only one manufacturing plant in India, Asian Paints has 18 processing centres. Justify why do firms in different industries work with different number of plants for serving the same market? List the pros and cons of having large number of facilities. (10)
- b) Explain the logistics and shareholder value in SCM with one example. (10)
7. a) What do you mean by cost drivers and activity based costing? Discuss. (10)
- b) Discuss the effects of lack of coordination in supply chain management. (10)
- 8 Write the short notes on the following :
- a) Product life cycle (6)
- b) Tailored transportation (7)
- c) Bullwhip effect (7)

NOTE : Disclosure of Identity by writing Mobile No. or Making of passing request on any page of Answer Sheet will lead to UMC against the Student.