

Roll No.

Total No. of Pages : 02

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M.Tech (ME) (2017 Onwards) (Sem.-2)

SUPPLY CHAIN MANAGEMENT

Subject Code : MTME-212

M.Code : 74988

Date of Examination : 19-12-22

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) What is a supply chain? What are the drivers of supply chain performance? With a neat diagram, describe the framework for structuring drivers.
 - b) Discuss the role of each supply chain drivers in creating strategic fit between the supply chain strategy and competitive strategy.
2.
 - a) Differentiate between a push-based supply chain and a pull-based supply chain.
 - b) What is Supply chain planning? Explain briefly strategic, operational and tactical planning.
3.
 - a) What do you mean by strategic alliances? Explain the factors which a firm should consider while entering into strategic alliances.
 - b) Effective production planning and scheduling are core competences of competitive process supply chains. Discuss advantages of an effective production plan & scheduling.
4.
 - a) Write short note on '*managing economies of scale to exploit fixed costs*'.
 - b) Explain the modes of transportation and their performance characteristics.
5.
 - a) How is strategic fit achieved between the supply chain and competitive strategies? What are the obstacles to achieving strategic fit?
 - b) Define reverse logistics. What are the common types of situations requiring reverse logistics?

6.
 - a) What do you mean by strategic cost management? Explain the importance of strategic cost management in supply chain management.
 - b) Explain the purpose and benefits of supply chain integration.
7.
 - a) What are the types of inventory in a supply chain system? Explain the importance of inventory management in the supply chain of a manufacturing firm.
 - b) *“In the era of outsourcing, third party logistics can add value to existing supply chains.”* Explain this statement with examples.
8.
 - a) Describe four distinct phases of benchmarking for supply chain management.
 - b) Briefly describe the main factors that contribute towards Bullwhip effect in the Supply Chain. Explain the steps taken to reduce bull whip effect in supply chains.

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.