

APJ Abdul Kalam Technological University
Ernakulam II Cluster
Second Semester M.Tech Degree Examination April/May 2018

05ME 6406 - SUPPLY CHAIN MANAGEMENT

Time: 3 Hours

Max. Marks: 60

MODULE 1

1. (a) Explain the process views of a supply chain. (6 Marks)
- (b) Describe various drivers of supply chain performance. (6 Marks)

MODULE 2

2. (a) What are the different components of a forecast? Explain. (6 Marks)
- (b) Describe Holt's model for forecasting. (6 Marks)

MODULE 3

3. (a) Explain the impact of two basic replenishment policies on safety stock. (10 Marks)
- (b) List the factors which affect the level of safety stock in a supply chain? Describe the role of safety stock in the supply chain. (8 Marks)

OR

4. (a) Describe various components of inventory holding cost and ordering cost. (8 Marks)
- (b) What is cycle inventory in a supply chain? Describe its purpose. (4 Marks)
- (c) With suitable example, explain how does economies-of-scale help to exploit fixed cost? (6 marks)

MODULE 4

5. (a) Differentiate between forward logistics and reverse logistics. (8 Marks)
- (b) What are the various modes of transportation in a supply chain? Describe their performance characteristics. (10 Marks)

OR

6. (a) What is logistics? Differentiate inbound and outbound logistics. (6 Marks)
- (b) Describe different types of supplier contracts. (6 Marks)
- (c) Describe the importance of auctions in supplier selection. (6 Marks)