

CBCS SCHEME

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18ME653

Sixth Semester B.E. Degree Examination, Dec.2023/Jan.2024 Supply Chain Management

Time: 3 hrs.

Max. Marks: 100

Note: Answer any FIVE full questions, choosing ONE full question from each module.

Module-1

- 1 a. What is a Supply Chain? Define its objectives and importance. (10 Marks)
b. Describe the two process views of a Supply Chain in detail. (10 Marks)

OR

- 2 a. What is a Strategic Fit? How do you achieve it? Explain. (12 Marks)
b. List the Drivers and Enablers of Supply Chain and discuss the role of them in Supply Chain performance. (08 Marks)

Module-2

- 3 a. How do Firms take make Vs Buy decisions? Explain with an example of a Telecommunication Company. (12 Marks)
b. Explain the terms Economics of Scale, Agency Costs and Transaction Costs. (08 Marks)

OR

- 4 a. What is the impact of Internet on Sourcing Strategy? Discuss. (12 Marks)
b. Mr. Mahesh and Suresh wanted to open a Bakery. The major decision should be taken by them is whether to make Cakes on site (or) buy Cakes from others. If they buy from other's they require some air tight containers which costs Rs 2000/- annually. The buying cost per Cake is Rs 0.8/- . If they make the Cakes in house, they need Kitchen costing Rs 30,000 per year and Rs 0.3/- per Cake to make. They trust themselves that they will sell 1,20,000 Cakes. So Mahesh and Suresh wants to know if they should make (or) buy the Cakes. (08 Marks)

Module-3

- 5 a. Differentiate Centralized and Decentralized Stores in detail. (08 Marks)
b. Briefly explain what is Stores Management, its objectives and functions. (12 Marks)

OR

- 6 a. What are the various factors influencing the network design decisions? Discuss. (10 Marks)
b. Enlist the design options for a distribution network and explain Manufacturing storage with direct shipping. (10 Marks)

Module-4

- 7 a. What is the role of forecasting in a Supply Chain? Explain. (05 Marks)
b. Discuss about the Time series method of forecasting. (07 Marks)
c. Write a short note on Safety Stock. (08 Marks)

OR

Important Note : 1. On completing your answers, compulsorily draw diagonal cross lines on the remaining blank pages.
2. Any revealing of identification, appeal to evaluator and /or equations written eg, 42+8 = 50, will be treated as malpractice.

- 8 a. Explain the Decision Tree Methodology in detail. (10 Marks)
b. State the impact of Uncertainty on Network design and brief about Discounted Cash Flow (DCF). (10 Marks)

Module-5

- 9 a. What are the effects due to lack of co-ordination in Supply Chain? Explain. Also list the various obstacles for coordination. (12 Marks)
b. What is the future of IT in Supply Chain? Discuss. (08 Marks)

OR

- 10 a. "Supply Chain Restructuring", explain the process. (08 Marks)
b. List the various problems in implementing the Postponement strategy. (04 Marks)
c. "Building Partnership and Trust" in a Supply Chain. Discuss. (08 Marks)
