



# CBCS SCHEME

18ME653

## Sixth Semester B.E. Degree Examination, June/July 2025 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 Supply Chain Management? Explain supply chain management with diagram. (10 Marks)
- b. Explain Design Decision and Operations Decision. (10 Marks)

**OR**

- 2 a. Explain the importance of supply chain management. (10 Marks)
- b. Explain the challenges in maintaining a supply chain in India. (10 Marks)

### Module-2

- 3 a. What are the key supply chain performance measures? (10 Marks)
- b. How do firms take make versus buy decisions? (10 Marks)

**OR**

- 4 a. Explain strategy sourcing by portfolio approach. (10 Marks)
- b. Explain Reconfiguration of Supply Base. (10 Marks)

### Module-3

- 5 a. Explain the functions of store management system. (10 Marks)
- b. Explain the standard cost method stock valuation system. (10 Marks)

**OR**

- 6 a. Explain any two design options for distribution network. (10 Marks)
- b. List and explain types of inventory in supply chain. (10 Marks)

### Module-4

- 7 a. Explain network design decision using decision trees. (10 Marks)
- b. Explain network operations optimization profit maximization model. (10 Marks)

**OR**

- 8 a. Explain short life cycle products with a suitable network design. (10 Marks)
- b. Explain pricing and revenue management system. (10 Marks)

**Module-5**

9 a. Explain Integrated Supply Chain model.

(10 Marks)

b. What is Bullwhip effect? How it effects supply chain inefficiency?

(10 Marks)

**OR**

10 a. Explain Agile Supply chain system.

(10 Marks)

b. Explain E-Business in supply chain.

(10 Marks)

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