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18ME653

Sixth Semester B.E. Degree Examination, July/August 2022 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 do you mean by Supply Chain Management? Explain Supply Chain Network, with suitable sketch. (10 Marks)
- b. Explain how three revolutions of Supply Chain Management helped in the broader evolution of Economic Environment. (10 Marks)

OR

- 2 a. Discuss the key concepts in Supply Chain Management. (05 Marks)
- b. Explain the importance of Supply Chain. (05 Marks)
- c. Enablers of Supply Chain helps firms and nations in reduction of Supply Chain Costs - Discuss. (10 Marks)

Module-2

- 3 a. Explain how Make Versus Buy decisions helps to evaluate firms activities. (10 Marks)
- b. Discuss how identifying of core processes helps in improving the significant performance of a Firm. (10 Marks)

OR

- 4 a. Illustrate the concept of Portfolio approach with reference to Sourcing strategy. (10 Marks)
- b. Explain how Internet impacted on Sourcing Strategy. (10 Marks)

Module-3

- 5 a. Explain the significance of Inventory Management in Supply Chain. (05 Marks)
- b. Network Operations planning is important for effective Supply Chain Management. Discuss. (05 Marks)
- c. List and explain types of Inventory in Supply Chain. (10 Marks)

OR

- 6 a. Explain the role of network design in Supply Chain. (10 Marks)
- b. Enumerate the factors influencing network design decisions. (10 Marks)

Module-4

- 7 a. Explain Network Operations Optimization Profit Maximization Model. (10 Marks)
- b. Uncertainty of demand and price drives the value of building flexible production capacity at a plant. Explain. (10 Marks)

OR

- 8 a. Explain how Network design decisions are evaluated using decision trees. (10 Marks)
- b. List and explain the characteristics of Forecasts. (10 Marks)

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.

Module-5

- 9 a. What is Supply Chain Integration? Illustrate the three stages of Supply Chain Integration. (10 Marks)
b. What is Bullwhip effect? How it effects Supply Chain Inefficiency? (10 Marks)

OR

- 10 a. Illustrate Supply Chain Configuration design for Agile Supply Chain. (10 Marks)
b. Discuss the future trends of Information Technology in Supply Chain Management. (10 Marks)
