

CBCS SCHEME

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21MR652

Sixth Semester B.E./B.Tech. Degree Examination, Dec.2024/Jan.2025 Supply Chain Management and Introduction to SAP

Time: 3 hrs.

Max. Marks: 100

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

Module-1

- 1 a. What are the three major enablers that have helped firms and nations in reducing supply chain costs? Explain. (10 Marks)
- b. Explain the various decision phases in a supply chain. (10 Marks)

OR

- 2 a. What are the factors influencing make or buy decisions? Explain briefly. (10 Marks)
- b. Explain the impact of internet on sourcing strategy. (10 Marks)

Module-2

- 3 a. Identify the key performance measures used in evaluating warehouse management effectively. (10 Marks)
- b. Discuss the significance of transportation and traffic management in warehouse operations. (10 Marks)

OR

- 4 a. Enumerate the factors influencing network design decisions. (10 Marks)
- b. How can warehouse managers analyse and address obsolete surplus and scarp items effectively? (10 Marks)

Module-3

- 5 a. How does uncertainty impact network design decisions and what are some strategies to mitigate this impact? (10 Marks)
- b. Discuss the challenges and opportunities associated with managing inventory across multiple locations. (10 Marks)

OR

- 6 a. What roles does inventory optimization play in revenue management and how can companies achieve a balance between inventory costs and revenue? (10 Marks)
- b. Discuss the importance of integrating demand planning , pricing strategies and revenue management in optimizing overall business performance. (10 Marks)

Module-4

- 7 a. What is Supply Chain Integration? Explain the three stages of supply chain integration. (10 Marks)
- b. Explain the Bullwhip effect in supply chains. Discuss its causes and impact it has on the Supply chain performance. (10 Marks)

OR

- 8 a. Describe the reverse supply chain process. What are the key challenges in managing reverse supply chain? (10 Marks)
b. Illustrate the supply chain configuration design for agile supply chain. (10 Marks)

Module-5

- 9 a. Explain the role of SAP material management module in supply chain management. What are the components of it? (10 Marks)
b. Describe the organization structure in SAP. How does the structure facilitate efficient management and operations within an organization? (10 Marks)

OR

- 10 a. Describe the functionalities of inventory management in SAP. How does SAP helps in tracking and managing inventory levels , movements and storage? (10 Marks)
b. Explain process of invoice verification in SAP. What are the steps involved? Explain. (10 Marks)

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