

Hall Ticket Number :

R-17

Code: 7G581

IV B.Tech. II Semester Advanced Supplementary Examinations July 2022

## Supply Chain Management

(Mechanical Engineering)

Max. Marks: 70

Time: 3 Hours

Answer any five full questions by choosing one question from each unit (5x14 = 70 Marks )

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Marks CO Blooms Level

### UNIT-I

1. a) What are the relevant concepts of Supply chain management? Discuss about two concepts briefly. 7M CO1 L2
- b) What are competitive and supply chain strategies? Also explain how strategic fit is achieved 7M CO1 L1

OR

2. a) Describe the concept of supply chain with a real world example 7M CO1 L2
- b) What are the ways 'Achieving Strategic Fit' in supply chain management? Explain in detail. 7M CO1 L1

### UNIT-II

3. a) Discuss the role of distribution network in a supply chain 7M CO2 L1
- b) Explain how capacity allocations are made in a typical supply chain with suitable assumptions. 7M CO2 L2

OR

4. a) Suppliers, Manufacturers, wholesaler/retailer and customer are the key entities in a supply chain? Justify the statement with suitable discussion 7M CO2 L4
- b) What are different types of supply chain networks? Explain them briefly. 7M CO2 L1

### UNIT-III

5. a) Planning and managing inventories in a supply chain are very important for profitability. Justify the statement with suitable case study. 7M CO3 L4
- b) What are transportations decisions in a supply chain? Explain. 7M CO3 L2

OR

6. a) Discuss the significance of managing inventory for successful management of supply and demand in a supply chain. 7M CO3 L2
- b) What are the major different modes of transportation? Explain them briefly with advantages and limitations. 7M CO3 L2

<b>UNIT-IV</b>
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7. a) What is 'Sourcing' in a supply chain management? Elaborate with a suitable example. 7M CO4 L4
- b) What is a 'Bull-whip' effect in a supply chain management practices? Explain in detail. 7M CO4 L3

**OR**

8. a) Discuss the obstacles to co-ordination in supply chain operations in detail. 7M CO4 L1
- b) What are the levers in achieving co-ordinations in a supply chain? Provide your view points. 7M CO4 L1

<b>UNIT-V</b>
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9. Technology enabled supply chain practices are the need of the hour in the context of post covid-19 scenario. Justify the statement with your answer. 14M CO5 L5

**OR**

10. a) Elaborate the challenges for technology enablement of supply chain management. 7M CO5 L3
- b) Write a short note on 'IT Frame work for SCM'. 7M CO5 L1

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