

Roll No.

Total No. of Pages : 02

Total No. of Questions : 09

B.Tech (Ind. Engg. & Mgt.) (Spl. in TQM) (Sem.-6)

SUPPLY CHAIN MANAGEMENT

Subject Code : IEM-604

Paper ID : [71000]

Time : 3 Hrs.

Max. Marks : 40

INSTRUCTIONS TO CANDIDATES :

1. Attempt All EIGHT questions from SECTION-A carrying TWO marks each.
2. Attempt any SIX out of EIGHT questions from SECTION-B carrying FOUR marks each.

SECTION-A

1. a) Define supply chain management. Describe the evolution of supply chain concept. What in your opinion is the most important stage?
- b) How does e-business facilitate optimization of customer response time and order visibility?
- c) Explain VED analysis technique for inventory control giving appropriate example.
- d) How do firms carry out demand forecasting in a supply chain?
- e) Highlight some reasons for purchasing the goods and services from international sources.
- f) *“In this era of outsourcing, third party logistics (3PL) can add value to existing supply chains”*. Explain.
- g) Explain global sourcing and its advantages and disadvantages.
- h) How do organizations implement lean manufacturing principles across supply chains?

SECTION-B

2. SCM is viewed as a system that links an enterprise with its customers and suppliers. Elaborate.
3. How do firms design distribution networks in a supply chain? What factors affect distribution network design?
4. Explain various types of stores maintained by manufacturing organization. Explain the codification and standardization methods used for maintaining inventories.
5. Describe the procedure adopted by organizations to determine the optimum level of product availability in supply chains.
6. Explain the steps involved in supplier certification and quality audit in supply chains.
7. Discuss the role of transportation within a supply chain. What are the suitable transport mode for small, high value shipments and large, low value shipments?
8. Discuss the challenges in global logistics regarding lead time of supply, reliability.
9. Benchmarking raises organizational Consciousness. Discuss with reference to supply chain management.