

**B.Tech Sem – VIII (2007 Course) (Production Engg.) :**

**WINTER - 2017**

**SUBJECT: ELECTIVE – II e) SUPPLY CHAIN MANAGEMENT**

Day: **Wednesday**  
Date: **22/11/2017**

Time: **02.30 PM TO 05.30 PM**  
Max. Marks: **80**

**W-2017-2701**

**N.B.:**

- 1) **Q. No. 1 and Q. No. 5 are COMPULSORY.** Out of remaining attempt **ANY TWO** questions from Section – I and Section – II.
- 2) Figures to the right indicate **FULL** marks.
- 3) Answers to both the sections should be in **SEPARATE** answer books.
- 4) Draw neat and labeled diagrams **WHEREVER** necessary.
- 5) Assume suitable data, if necessary.

**SECTION - I**

- Q.1** a) Define Supply Chain Management and explain importance of Supply Chain Management. (05)  
b) Explain with suitable example How Supply–Relationship–Management (SRM) is used for Supply Chain Management optimization. (05)  
c) Explain what you understand by ‘Global Supply Chain’. (04)
- Q.2** a) Supply chain concepts are rooted in following interrelated concepts: (07)  
i) Trade off concepts    ii) Total cost concept    iii) System cost concept  
Explain with brief.  
b) Explain how rapid- response, minimum variance, minimum inventory is used for evaluation and performance of supply chain. (06)
- Q.3** Evaluation and performance measures of supply chain are based on: (13)  
i) Movement consolidation    ii) Life cycle support.  
iii) The understanding the needs of customers being served  
iv) The understanding the supply chain capabilities in terms of efficiency and responsiveness.
- Q.4** Explain the drivers which are responsible for logistic competency of Supply Chain. (13)

**SECTION - II**

- Q.5** a) Give importance of warehouse as media between customer and manufacture. (05)  
b) Explain with suitable plot varies cost involved in inventory. (05)  
c) What is meant by logistic operation in Supply Chain Management? Explain in brief. (04)
- Q.6** a) Explain with suitable examples Transport functionalities required in Supply-Chain optimization. (07)  
b) Discuss how three supply chain macro processes interface in order to be successful logistics. (06)
- Q.7** a) What is third party logistics? Can it add value to existing supply chain? (06)  
b) Explain ABC analysis method of selective control of inventories with suitable example; discuss its importance and limitations. (07)
- Q.8** What is logistic Information System (LIS)? Explain role of : (13)  
i) Order processing    ii) Inventory management  
iii) Distribution operations    iv) Transportation and shipping  
v) Procurement  
with suitable example.

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