Model Question Paper

SIXTH SEMESTER B.Tech DEGREE EXAMINATION
(2013 Scheme)

13.603 SUPPLY CHAIN AND LOGISTICS MANAGEMENT (N)

Time: 3 Hours   **Maximum: Marks 100**

PART A
(Answer all the questions, each question carries 2 marks)

1. What is the objective of supply chain management?
2. What is strategic fit?
3. What is reverse logistics?
4. Differentiate between safety inventory and seasonal inventory.
5. Define the bullwhip effect.
6. How do you determine the forecast error?
7. What is aggregate planning?
8. Name two obstacles in achieving strategic fit.
9. Differentiate between CRM and SRM.
10. What is cross-docking?

[10 x 2 = 20]

PART B
(Answer any one question from each module; each question carries 20 marks.)

Module-I

11. Consider the supply chain involved when a customer purchases a book at a bookstore. Identify the cycles in this supply chain and the location of the push/pull boundary.

OR

12. Briefly explain the different information related performance metrics

Module –II

13. Explain the different aggregate planning strategies in detail.

OR

14. What are the Internal production chain control decisions? Explain.

Module-III

15. What are the replenishment policies on safety inventory?

OR

16. How do you manage the different economies of scale?

Module-IV

17. What are the design options available for making an effective transportation network?

OR

18. What are the different vehicle routing problems, bin packing problems, fixed charge problems, and knapsack problems

[4 x 20 = 80]