

C 17912

Name.....

Reg. No.....

**SEVENTH SEMESTER B.TECH. (ENGINEERING) DEGREE EXAMINATION
JUNE 2011**

ME 04 705C—INVENTORY AND SUPPLY CHAIN MANAGEMENT

(2004 Admissions)

Time : Three Hours

Maximum : 100 Marks

Part A

Answer all questions.

1. Explain with a schematic illustration the flows in supply chain.
2. Explain the fundamental features of SCM.
3. Write a note on the factors in source selection.
4. What are the functions of inventory ?
5. Describe sensitivity analysis.
6. What are the effects of quantity discounts ?
7. What is J.I.T ?
8. Write a note on Q-system models.

(8 × 5 = 40 marks)

Part B

Answer any four questions.

1. Briefly explain supply chain with the help of an example.
Or
2. Describe the cycle and push/pull views of a supply chain.
3. Explain the procedure for purchasing.
Or
4. What are the costs associated with materials management ? Explain.
5. Discuss deterministic inventory models.
Or
6. Make a note on :
(a) Pay off matrix.
(b) Independent demand items.
7. Explain :
(a) Wagner – Whitin method.
(b) Kanban method.
Or

8. Make a brief note on dynamic inventory models.

(4 × 15 = 60 marks)