



Name :

Roll No. :

Invigilator's Signature :

CS/M.Tech(IEM)/SEM-1/IEM-105A/2012-13

2012

**ENTERPRISE RESOURCE PLANNING
& SUPPLY CHAIN MANAGEMENT**

Time Allotted : 3 Hours

Full Marks : 70

The figures in the margin indicate full marks.

*Candidates are required to give their answers in their own words
as far as practicable.*

Answer any *five* questions.

5 × 14 = 70

1. a) Describe the process of ERP vendor selection.
b) Mention the factors which decide where plants should be located. What capacity should each plant have and what markets should each plant cover for an automobile manufacturing organization ? 7 + 7
2. a) For a retail store having multiple branches what are the factors that influence decision of opening and closing store, number of distribution centres and location of stores ?
b) Discuss the factors responsible for successful ERP implementation. 7 + 7



3. a) What advantages and disadvantages does the strategy of multiple production facility offer over single manufacturing facility with respect to a PC manufacturer ?
b) Mention the advantages and disadvantages of Big Bang *vs* Phased approach ERP implementation. 7 + 7
4. a) Explain diagrammatically the supply chain management process in a manufacturing plant.
b) Is the mode of selling directly without any retail stores always less expensive than a supply chain with retail stores ? 7 + 7
5. Write short notes on any *two* of the following : 2 × 7
 - a) ERP architecture
 - b) Sequential optimization *vs* Global optimization
 - c) Product Life cycle management
 - d) Cloud Computing ERP and CSM
 - e) Business Process Reengineering.
6. Draw the diagram of 'Enterprise structure' of a SAP R/3 implementation showing 'Client', 'Operating concerns', 'Controlling areas', 'Company codes', 'Plants', 'Storage locations', 'Purchasing Organisation', 'Sales Organisation', 'Distribution Channel', 'Division', 'Sales Area'.
7. Explain with example Material management cycle in SAP R/3 preferably with SAP R/3 Transaction code.
8. Describe Software layers and their functionalities of an SAP R/3 system like Database layers, Middle layer, GUI.

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