

P45/CMP317/EE/20170111

Time : 3 Hours

Marks : 80

Instructions :

1. All Questions are Compulsory.
 2. Each Sub-question carry 5 marks.
 3. Each Sub-question should be answered between 75 to 100 words. Write every questions answer on separate page.
 4. Question paper of 80 Marks, it will be converted in to your programme structure marks.
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1. Solve any **four** sub-questions.
 - a) What are the important key factors in logistics? Explain in detail. 5
 - b) Give and explain the classification of logistics applications. 5
 - c) Draw and explain a generic value chain of Logistics management in detail. 5
 - d) Draw and explain Logistics activities in production process. 5
 - e) Describe in a brief the elements of logistics. 5
2. Solve any **four** sub-questions.
 - a) Define the Logistics. Describe the Logistics Management. 5
 - b) Explain in detail any five pre-requisites of Logistics. 5
 - c) Explain in detail Logistics Scope. 5
 - d) Draw and explain Operational system support infrastructure. 5
 - e) Write a short note on : 5
 - i) Mathematical Programming Models and
 - ii) Routing Models.
3. Solve any **four** sub-questions.
 - a) Define Data Model. Give the classification of data model. 5
 - b) Describe the Information retrieval concept in detail. 5
 - c) Define the term Data warehouse, give the basics of data warehousing. 5
 - d) What are the different types of inventories? Give the functions of inventory. 5
 - e) Explain in detail the basic EOQ model. 5

4. Solve any **four** sub-questions.
- a) Describe the database management terminologies in detail. 5
 - b) What are the advantages of Data warehousing? 5
 - c) Draw and explain with the help of diagram : 5
 - i) Hierarchical Model
 - ii) Network Model
 - d) Draw and explain the ABC analysis of inventory. 5
 - e) Give the calculations of safety stock. Which factors are influences on safety stock. 5

