H Roll No. .....

MB(303)LS2

M. B. A. (THIRD SEMESTER)
END SEMESTER
EXAMINATION, Jan., 2023

WAREHOUSING AND INVENTORY MANAGEMENT

Time : Three Hours

Maximum Marks : 100

Note : (i) This question paper contains two Sections—Section A and Section B.

(ii) Both Sections are compulsory.

(iii) Answer any two sub-questions among (a), (b) & (c) in each main question of Section A. Each sub-question carries 10 marks.

(iv) Section B consisting of case study is compulsory. Section B is of 20 marks.

P. T. O.

1. (a) Define Warehouse Management System with suitable diagram. (CO1)

   (b) Explain EOQ with suitable diagram and example. (CO1)

   (c) Define Ordering Cost, Inventory carrying Cost. (CO1)

2. (a) Summarize the requirement of a good warehouse location with suitable example. (CO2)

   (b) Compare dependent and independent demands. (CO2)

   (c) Classify the warehouse management system. (CO2)

3. (a) Discover the role of Material handling system in Industry. (CO3)

   (b) Sketch types of material handling systems. (CO3)

   (c) Illustrate importance AGV in automated industries. (CO3)

4. (a) Justify the Bar-Coding Technology and its Application in Logistics Industry. (CO4)

   (b) Criticize the role of automation in industry. (CO4)

   (c) Defined the application of RFID technology in near future. (CO4)

Section—B

5. **Case Study :** 20 Marks

   Usha cooperation currently practices the following system for the procurement to meet the demand.

   Total Demand = 84,000 year

   Ordering Cost = 115 per order

   Inventory Carrying Cost = 0.95 per unit.

   Now calculate the following :

   (i) Economic Order Quantity

   (ii) Optimum number of orders per annum

   (iii) Average annual inventory cost (minimum)

   (iv) Optimum period of supply per optimum order.