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Roll No.

MB-303(LS2)

M. B. A. (THIRD SEMESTER)

MID SEMESTER

EXAMINATION, Jan., 2023

**WAREHOUSING AND INVENTORY
MANAGEMENT**

Time : 1½ Hours

Maximum Marks : 50

- Note :** (i) This question paper contains two sections—A and B.
- (ii) Both Sections are compulsory.
- (iii) Answer any *two* sub-questions among (a), (b) and (c) in each main question of Section A. Each question carries 10 marks.
- (iv) Section B consisting of case study is compulsory. Section B is of 20 marks.

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(2)

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Section—A

1. (a) Conclude different Functions of Inventory. (CO3)
(b) Describe the concept of EOQ. (CO1)
(c) Explain different Inventory-Related costs. (CO1)
2. (a) Classify the Warehouse Layout and Design. (CO2)
(b) Extract the Warehouse's functions, (CO2)
(c) Value different types of Warehouses. (CO4)
3. (a) Conclude the importance of Inventory Management in industries. (CO3)
(b) Illustrate methods of Controlling Stock Levels. (CO3)
(c) Criticize the concept of outsourcing for Indian industries. (CO4)

Section—B

4. Case Study : 20 Marks (CO5)
(a) A manufacturer has to supply his customers 3800 units of his product per year. Shortages are not permitted.

(3)

Inventory carrying cost amounts ₹ 1.3 per unit per annum. The set up cost run is ₹ 90. Find 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.

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120