PRESIDENCY UNIVERSITY
BENGALURU

SET A

SCHOOL OF MANAGEMENT
END TERM EXAMINATION - JAN 2024

Semester : Semester III - 2022

Course Code : MBA3043

Course Name : Warehousing and Inventory Management
Program : MBA

Date : 11-JAN-2024
Time : 10:00AM - 1:00 PM
Max Marks : 100
Weightage : 50%

Instructions:
(i) Read all questions carefully and answer accordingly.
(ii) Question paper consists of 3 parts.
(iii) Scientific and non-programmable calculator are permitted.
(iv) Do not write any information on the question paper other than Roll Number.

PART A

ANSWER ALL THE QUESTIONS

10Q X 3M = 30M

1. Explain product postponement in a warehouse with an example

(CO1) [Knowledge]

2. Explain the need for bulk breaking in a warehouse

(CO1) [Knowledge]

3. Illustrate the significance of consolidation in warehouse

(CO1) [Knowledge]

4. State the areas where warehouses have evolved

(CO1) [Knowledge]

5. Describe order picking in a warehouse

(CO1) [Knowledge]

6. Explain the activities done at the receipt of material

(CO1) [Knowledge]

7. Explain carrying cost and its components

(CO1) [Knowledge]

8. List the types of Inventories

(CO1) [Knowledge]

9. State the three specifications of AS/Rs system

(CO1) [Knowledge]

10. Recall the operations done by AS/RS system

(CO1) [Knowledge]

PART B

ANSWER ALL THE QUESTION   **6Q X 7Q = 42M**

11. Describe the evolution of Warehouse in the world

(CO2) [Comprehension]

12. Describe the sequential operations in a warehouse

(CO2) [Comprehension]

13. Explain the factors affecting inventory

(CO2) [Comprehension]

14. Describe the various costs associated with inventory

(CO2) [Comprehension]

15. Illustrate the steps to design an AS/RS system

(CO2) [Comprehension]

16. Explain the types and styles of fully automated AS/RS systems

(CO2) [Comprehension]

PART C

ANSWER ALL THE QUESTIONS   **2Q X 14M = 28M**

17. Using Ardalan Heuristics prioritize the warehouse location from the given data:

Site to/from	A	B	C	D	Demand	Weight
A	0	10	9	11	24	1.1
B	10	0	10	7	16	1.2
C	7	9	0	8	36	0.8
D	8	7	8	0	24	1

(CO3,CO4) [Application]

18. Calculate the lot size for varying demand using EOQ from the given data where ordering cost per order is 250/- , carrying cost per unit is 20% and Item cost is 25/-

Month	Jan	Feb	Mar	Apr	May	Jun	Jly	Aug	Sep	Oct	Nov	Dec
Demand	30	120	30	280	320	260	160	100	240	360	480	120

(CO4,CO3) [Application]