

BALLARI INSTITUTE OF TECHNOLOGY & MANAGEMENT

(Autonomous Institute under Visvesvaraya Technological University, Belagavi)

USN Course Code

Third Semester MBA Degree Examinations, April 2023

WAREHOUSE MANAGEMENT

Duration: 3 hrs

Max. Marks: 100

- Note:* 1. Answer any FOUR full questions from Question No. 1 to 7.
2. Question No. 8 is compulsory
3. Missing data, if any, may be suitably assumed

<u>Q. No</u>	<u>Question</u>	<u>Marks</u>	<u>(RBT:CO:PO)</u>
1.	a. Outline the need of warehouse.	03	(2 : 1 : 1)
	b. Identify the role of warehouse manager.	07	(4 : 1 : 3)
	c. Write the uses of various types of warehouses.	10	(4 : 1 : 5)
2.	a. Contrast between inbound and outbound activities.	03	(3 : 2 : 2)
	b. Analyze the cross docking concept and its advantages.	07	(4 : 2 : 2)
	c. Inspect and illustrate the role of warehouses in reverse logistics.	10	(4 : 2 : 5)
3.	a. Examine various components of inventory decisions.	03	(3 : 2 : 4)
	b. Evaluate the concept of EOQ? How does application of EOQ help in controlling inventory? Explain with examples.	07	(4 : 3 : 2)
	c. Assess various types of costs associated with inventory.	10	(4 : 3 : 2)
4.	a. Interpret the main issues transportation faces during warehousing?	03	(3 : 4 : 4)
	b. Explain the basic warehouse design for business use.	07	(4 : 4 : 5)
	c. Discuss about benefits of consolidation and break bulk.	10	(5 : 4 : 4)
5.	a. Explain the terms with examples (i) Cartons (ii) Pallets (iii) Stretch wraps	03	(4 : 5 : 2)
	b. Determine how to optimize waste management at your warehouse.	07	(5 : 5 : 5)
	c. Justify impact of the computer technology automatic identification in a warehouse.	10	(5 : 5 : 5)
6.	a. Explain on bill of material.	03	(4 : 3 : 4)
	b. What is material requirement planning? Explain the process of material requirement planning.	07	(4 : 3 : 5)
	c. Evaluate the ABC analysis and its application with examples.	10	(5 : 3 : 2)

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| 7. | a. Categorize sorting and mixing with suitable examples. | 03 | (4 :4 : 3) |
| | b. Determine Aisle width decision in warehouse management. | 07 | (5 :4 : 5) |
| | c. Recommend the economic benefits of warehousing. | 10 | (5 :4 : 3) |

8. **Case Study**

Spare parts warehouse of a manufacturer of heavy equipment, until recently the warehouse was working manually. Mr. Joey, Warehouse Manager, decide to install a fully automatic and computerized system in order to increase productivity

First month, (i) productivity increased more than 100% (as expected), (ii) The operator's work became easier and safer (iii) No worker had been redundant, however on the contrary salaries had increased. But at the third month after the implementation of the system, Errors start creeping into the system.

The automatic system appeared to be less efficient than the old manual system (i) A big investment eventually seemed not to be viable (ii) Workers seem to lack synergy with the system (iii) Productivity instead of increasing, eventually decreased.

With the underlying causes Fear of redundancy, Powerlessness, Fast change in work processes that created psychological imbalance in employees. Inefficient training and information about the new system which leading to OMB Type D: Damaging, destructive and/or disparaging behaviour committed intentionally.

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| a. | Discuss the benefits of automated and computerized system. | 10 | (5 :5 : 5) |
| b. | Assess the mistakes Mr. Joey did while adopting the new technology? | 10 | (5 :5 : 5) |

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