

BALLARI INSTITUTE OF TECHNOLOGY & MANAGEMENT

(Autonomous Institute under Visvesvaraya Technological University, Belagavi)

USN Course Code

Third Semester MBA Degree Examinations, February 2026

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>(RBTL:CO:PO)</u>
1	a. Define warehousing and role of warehouses.	03	(2:1:1)
	b. Discuss the changes happening in warehousing.	07	(3:1:1)
	c. Describe different types of warehouses.	10	(4:1:1)
2.	a. Briefly discuss three picking strategies.	03	(1:2:2)
	b. Explain different types of put-away processes and methods.	07	(3:2:2)
	c. Describe warehouse processes in sequential order.	10	(4:2:2)
3.	a. Outline the functions of Inventory management.	03	(2:3:3)
	b. Discuss Inventory classification methods explaining the criteria used in each method.	07	(3:3:3)
	c. Explain key methods of Inventory management.	10	(4:3:3)
4.	a. Name few other warehouse activities beyond the normal warehouse processes.	03	(2:4:4)
	b. Describe the economic and operational benefits of warehousing.	07	(3:4:4)
	c. Explain the important factors to be considered in warehouse site analysis.	10	(4:4:4)
5	a. List out the different types of packaging materials.	03	(2:5:5)
	b. Enlist the features of eco-friendly warehouses.	07	(3:5:5)
	c. Analyse the issues and trends in product transportation.	10	(4:5:5)
6.	a. State the technology and automation used in e-commerce warehouses.	03	(2:5:5)
	b. Describe the seven activities that must be carried out to manage e-commerce warehouses effectively and efficiently.	07	(3:5:5)
	c. Analyse the warehouse components on which data analytics are mostly used.	10	(4:5:5)
7.	a. Name the steps involved in pre-receipt.	03	(1:2:2)
	b. Describe the types of warehouse storage along with stock management practices.	07	(3:2:2)
	c. Explain the factors that needs to be considered to decide which picking strategy should be adopted.	10	(4:2:2)

8.

Case Study

Nature's Best

Leading the market of health and natural foods distribution, Nature's Best is a company that sells Certified Organic products in over twelve states of USA.

Nature's Best was experiencing high labor costs based on time and manpower to transport temperature-controlled food products between four buildings on its DC campus. The company's zones were organized to suit either small or large clients – a key competitive differentiator. Because of the facility layout, the overall distribution process was inefficient; each product was touched 18 times on its way to the customer. Nature's Best technology, distribution processes and buildings also needed updating to keep pace with growth projections.

To address this problem, after conducting a material flow analysis and redesigning the internal flow processes to increase efficiencies, a supply chain strategy was developed. As a result, a global WMS was selected that addressed all of Nature's Best's concerns by consolidating operations with various temperature-controlled zones.

Nature's Best then integrated and implemented a WMS including interface design, configuration, training, and facility preparation and labour standards among other features. As Nature's Best shifted from paper to radio-frequency (RF) devices with voice-based technology to manage its \$25 million of inventory after training the company team on new system processes, achieved reduced labor costs by over 30 percent and more than doubled its productivity. Ninety-seven percent of full-time employees were still retained, and temporary and non-value-added positions were eliminated.

- a. After reviewing the above case, discuss what other warehouse processes can be optimized by integration of technology. **10** **(5:3:4)**
- b. Enlist few warehouse automation equipment and tools that can be integrated to enhance efficiency of warehouse operations **10** **(4:4:4)**

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