

School of Business**Bachelor of Business Administration
Semester End Examination - Jun 2024****Duration : 180 Minutes
Max Marks : 100****Sem IV - D1UC401T - Warehouse Management and Inventory Control***General Instructions**Answer to the specific question asked**Draw neat, labelled diagrams wherever necessary**Approved data hand books are allowed subject to verification by the Invigilator*

- 1) Material Handling Recording System plays an important role in Warehouse Management -justify the statement. K3(3)
- 2) Information Flow helps the Warehouses Managers to share updated and current information with the team members - Infer the IT facility through example based on FMCG Industry. K4(4)
- 3) You have to consider the usefulness of ERP System in Warehouses to manage all the data for your convenience and future refernce. Identify those useful points with suitable examples for each point. K3(6)
- 4) Imagine you're managing a warehouse for cold drinks from Cola Industry. Giva some suggestions to maximize the warehouse facility for stock of items. K6(6)
- 5) Discuss the constraints / disadvantages of Centralized & Decentralized Warehouse System. K6(6)
- 6) You, as a Warehouse Manager, are on audit of the performance of warehouse management. Classify atleast six key performance indicators (KPIs) for the said purpose. Give your reasons for selectingg those KPIs. K4(8)
- 7) Imagine you're a project manager tasked with implementing a new Warehouse Management System (WMS) for a growing organic based product company. The company has experienced significant increases in order volume and needs a more robust system to handle inventory management, order processing, and fulfilment efficiently. As you plan the implementation process, what are the key considerations you need to address to ensure the successful adoption and integration of the new WMS? K3(9)
- 8) How would you identify the various functions and considerations involved in utilizing the Inventory Classification for the storage of K3(9)

long-term inventory? Discuss key factors influencing inventory classification decisions.

- 9) Define Inventory Management. Explain the key need and functions of Inventory Management. K5(10)
- 10) You've been tasked with optimizing the storage capacity of a small warehouse that primarily handles perishable goods with varying sizes and shapes. Analyze the current layout and select appropriate storage equipment, such as pallet racking systems, to maximize storage density while ensuring easy access to inventory for picking and replenishment? K4(12)
- 11) Elaborate main challenges faced in optimizing transportation within a warehouse setting. K6(12)
- 12) Case Study: BC Corporation, a global logistics powerhouse, has established itself as a key player in the industry with a vast network of warehouses spanning across different continents. Over the years, BC Corporation has seen exponential growth, serving a diverse clientele ranging from small businesses to multinational corporations. However, with this growth came the challenge of managing an increasingly complex supply chain and meeting the ever-evolving demands of customers worldwide. As customer expectations continue to rise, BC Corporation recognized the critical need to modernize its warehouse operations to stay ahead of the competition. The existing methods of inventory management, though functional, were no longer sufficient to support the scale and pace of operations required in today's fast-paced logistics landscape. Manual processes, paper-based documentation, and disjointed systems were not only inefficient but also prone to errors, leading to delays in order fulfillment and increased operational costs. Moreover, as BC Corporation expanded its global footprint, maintaining consistency and visibility across all warehouses became a daunting task. Each warehouse operated somewhat independently, utilizing disparate systems and processes that lacked integration and synchronization. This siloed approach hindered real-time decision-making, hindered collaboration between different departments, and made it challenging to track inventory accurately across the entire supply chain. Faced with these challenges, BC Corporation's leadership recognized the urgent need for a transformative solution. After thorough analysis and consultation with industry experts, they arrived at the decision to implement an Enterprise Resource Planning (ERP) system specifically tailored to address the unique requirements of warehouse. K5(15)

QUESTIONS (Attempt all question, 3 marks each)

1. What led BC Corporation's leadership to recognize the urgent need for a transformative solution, and why did they choose to

implement an Enterprise Resource Planning (ERP) system?

2. How might the implementation of an ERP system address the specific challenges faced by BC Corporation in its warehouse operations?

3. What benefits could BC Corporation expect to derive from the adoption of an ERP system tailored to its warehouse management needs?

4. What considerations should BC Corporation take into account when implementing an ERP system across its global network of warehouses?

5. What role do you think technology will play in reshaping the future of BC Corporation's logistics operations, particularly in terms of warehouse management and supply chain optimization?