



**PG – 728**

**III Semester M.B.A. (Day and Eve.) Examination, May/June 2025  
(CBCS) (2022 – 23 and Onwards)**

**MANAGEMENT  
Paper – 3.12.1 : Inventory Management**

Time : 3 Hours

Max. Marks : 70

**SECTION – A**

Answer **any five** out of the following questions. **Each** question carries **5** marks.  
**(5×5=25)**

1. What is the significance of traceability in inventory planning ?
2. Define the working capital cycle and explain how inventory management influences it.
3. What is the importance of inventory valuation in financial reporting ?
4. Briefly explain the concept and use of Reorder Point (ROP).
5. What are the key principles of Just-In-Time (JIT) in inventory control ?
6. Explain the stages involved in warehouse planning and layout.
7. Describe the relationship between inventory and supply chain strategy.

**SECTION – B**

Answer **any three** out of the following questions. **Each** question carries **10** marks.  
**(3×10=30)**

8. What are the benefits and limitations of centralized vs. decentralized inventory management systems ?
9. Explain the Joint Replenishment Inventory Problem (JRIP) and its relevance in inventory models.
10. Discuss the components of effective lead time management. How does it contribute to inventory efficiency ?
11. Explain how international quality standards influence warehouse operations and inventory accuracy.



## SECTION – C

## Case Study. (Compulsory Question)

(1×15=15)

12. Nova Electronics, a fast-growing consumer electronics manufacturer, faced serious issues with inventory mismanagement. Frequent stock mismatches, delayed customer deliveries and excess inventory of obsolete models plagued their supply chain. To combat this, they introduced barcode scanning, real-time inventory updates and tighter integration with suppliers using cloud-based platforms. By implementing ABC analysis and improving cycle counting practices, Nova aimed to enhance inventory visibility and turnover. However, the integration of new technology led to resistance from staff and required significant investment in training and system calibration.

**Questions :**

- a) What were the core inventory management issues faced by Nova Electronics ?
- b) How did barcode systems and cloud integration improve inventory visibility ?
- c) Evaluate the role of ABC analysis and cycle counting in improving inventory accuracy and control.