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# MBA (LOGISTICS AND SUPPLY CHAIN MANAGEMENT) (MBALS)

## Term-End Examination

## June, 2026

## MMPL-002 : INVENTORY AND STORES MANAGEMENT

*Time : 3 Hours* *Maximum Marks : 100*

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***Note :*** *(i) This question paper consists of seven questions.*

*(ii) Attempt any* ***five*** *questions.*

*(ii) All questions carry equal marks.*

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1. Discuss the objectives and importance of inventory management in supply chains. How does effective inventory management impact profitability and customer satisfaction ?

2. Explain various types of inventory models. Derive and discuss the Economic Production Quantity (EPQ) model for gradual replenishment. Support your answer with a numerical example.
3. Discuss the significance of demand forecasting in inventory planning. Describe at least three techniques of demand forecasting used in inventory control.
4. Explain the principles of good warehouse design and layout. Discuss how safety, legal compliance and information systems contribute to effective warehouse management.
5. Describe the concept of lead time. Discuss how lead time variability affects reorder levels and safety stock with the help of suitable illustration.

6. What do you understand by 'Codification' in store management ? Explain various methods of codification and their benefits in large-scale inventory operations.

7. Write short notes on any *four* of the following :

   (a) Inventory carry costs

   (b) JIT (Just-In-Time) Inventory system

   (c) Stock-out and its implications

   (d) Function of store-keeper

   (e) ICT tools in inventory and store house operations.

   (f) Inventory Review Systems : Periodic *vs.* Continuous

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