

MMPL-002

**Master of Business Administration (Logistics and Supply Chain
Management) (MBA LS)**

ASSIGNMENT

For

July 2025 Sessions and January 2026

MMPL-002: Inventory and Stores Management

**(Last date of submission for July 2025 sessions is 31st October, 2025
and January 2026 session is 30th April, 2026)**

**School of Engineering & Technology
INDIRA GANDHI NATIONAL OPEN UNIVERSITY
MAIDAN GARHI, NEW DELHI – 110 068**



ASSIGNMENT

Course Code	:	MMPL-002
Course Title	:	Inventory and Stores Management
Assignment Code	:	MMPL-002/TMA/JUL/2025
Coverage	:	All Blocks

Note: Attempt all the questions and submit this assignment to the coordinator of your study centre. Last date of submission for July 2025 session is 31st October, 2025 and January 2026 session is 30th April, 2026.

1. Define inventory and explain its types, functions, and significance in supply chain operations. Discuss how effective inventory control contributes to cost efficiency, customer satisfaction, and operational continuity.
2. What is the Economic Order Quantity (EOQ)? Derive the EOQ formula with assumptions and explain how it helps in minimizing the total inventory cost. Illustrate with a numerical example.
3. Describe the concepts of Material Requirements Planning (MRP-I) and Manufacturing Resource Planning (MRP-II). How do these systems enhance inventory accuracy and production alignment? Highlight key differences between the two.
4. Discuss the essential functions of stores management including receipt, inspection, storage, issue, and record-keeping. Explain how systematic stores operations ensure transparency, loss prevention, and audit readiness.
5. Write short notes on any two of the following:
 - a. ABC and VED Analysis
 - b. Buffer Stock vs. Reorder Level
 - c. Warehousing Safety and Security Measures
 - d. Legal Framework Governing Warehousing Operations