

MMPO-003

**Master of Business Administration (MBA)/ Master of Business Administration
(Online) MBA(OL) / Master of Business Administration Operations
Management (MBAOM) / Post Graduate Diploma in Operations Management
(PGDIOM)**

ASSIGNMENT

For

January 2024 and July 2024 Sessions

MMPO-003: Operations Management

**(Last date of submission for January 2024 session is 30th April, 2024
and for July 2024 sessions is 31st October, 2024)**



**School of Management Studies
INDIRA GANDHI NATIONAL OPEN UNIVERSITY
MAIDAN GARHI, NEW DELHI – 110 068**

ASSIGNMENT

Course Code	:	MMPO-003
Course Title	:	Operations Management
Assignment Code	:	MMPO-003/TMA/JAN/2024
Coverage	:	All Blocks

Note: Attempt all the questions and submit this assignment to the coordinator of your study centre. Last date of submission for January 2024 session is 30th April, 2024 and for July 2024 session is 31st October, 2024.

1. What is an operations system? Give some examples of operations systems. What are the major operations management issues that manufacturing organizations face in India? Discuss.
2. What are the basic tenets of sustainable operations management? Why is sustainability important for business? What is the notion of sustainability? What challenges organizations are likely to face in creating sustainable operations?
3. Give three examples for each of the following and identify two important issues of interest to an operations manager:
 - i) A mass production system
 - ii) A continuous flow system
 - iii) A flow shop
 - iv) An intermittent flow system
 - v) Job shop
 - vi) A process industry
 - vii) A batch production system
 - viii) Project organization

4. What is Material Requirement Planning (MRP)? What is the difference between a gross requirements plan and a net requirements plan? Identify five specific requirements of an effective MRP system.
5. What is Industry 4.0? Explain the evolution of Industry 4.0 and its applications in Business and society.