

MMPC-009

Master of Business Administration (MBA)/ Master of Business Administration (Online) MBA(OL)/ Master of Business Administration (Banking and Finance) (MBF)/ Master of Business Administration (Financial Management) (MBAFM)/ Master of Business Administration (Human Resource Management) (MBAHM)/ Master of Business Administration (Marketing Management) (MBAMM) Master of Business Administration (Operations Management) (MBAOM)

ASSIGNMENT

for

January 2026 and July 2026 Sessions

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

MMPC-009: Management of Machines and Materials



School of Management Studies

INDIRA GANDHI NATIONAL OPEN UNIVERSITY

MAIDAN GARHI, NEW DELHI – 110 068

ASSIGNMENT

Course Code	:	MMPC-009
Course Title	:	Management of Machines and Materials
Assignment Code	:	MMPC-009/TMA/JAN/2026
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 2026 session is 30th April, 2026 and for July 2026 session is 31st October, 2026.

1. Explain the objectives of Operations Management. How does a service organization fix its performance objectives?
2. What is a batch production system? Describe how the optimum batch size is determined in batch production.
3. Under what circumstances would you use PERT as opposed to CPM in project management? Give some examples of projects where each would be more applicable than the other.
4. What do you understand by 'Capacity'? Differentiate between licensed capacity and rated capacity of a plant.
5. Define standardisation and explain its significance in materials management. Discuss the benefits of standardisation with respect to economy, efficiency, safety, quality control, communication, and environmental protection, and examine its limitations in the context of changing consumer preferences and product innovation.