

**Management Programme (MP) /  
Master of Business Administration (Banking & Finance) (MPB)**

**ASSIGNMENT  
for  
January 2026 and July 2026 Sessions**

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

**MS-05: Management of Machines and Materials**



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

## ASSIGNMENT

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<b>Course Code</b>	<b>:</b>	<b>MS-05</b>
<b>Course Title</b>	<b>:</b>	<b>Management of Machines and Materials</b>
<b>Assignment Code</b>	<b>:</b>	<b>MS-05/TMA/Sem-I/2026</b>
<b>Coverage</b>	<b>:</b>	<b>All Blocks</b>

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**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 30<sup>th</sup> April, 2026 and for July 2026 session is 31<sup>st</sup> October, 2026.**

1. Explain the objectives of Operations Management and discuss how strategic and operational decisions, supported by effective planning, control, and feedback, help an organisation achieve efficiency, customer satisfaction, and cost effectiveness
2. Enumerate the basic types of plant layouts. How does a cellular layout differ from a process layout? Discuss the various factors that should be considered while designing an effective plant layout.
3. Define job design. List the important factors that must be addressed in job design and briefly discuss the importance of each one.
4. Why should maintenance not be viewed merely as a repair function? Discuss its role in improving capacity utilisation and explain the concept of total life-cycle approach to effective maintenance.
5. What do you understand by automated storage and retrieval? For what kinds of goods, do you think such systems would be appropriate?