

MS - 53

**Management Programme (MP)/
Post Graduate Diploma in Operations Management (PGDOM)**

**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)**

MS - 53: Production/ Operations Management



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

ASSIGNMENT

Course Code	:	MS - 53
Course Title	:	Production/ Operations Management
Assignment Code	:	MS - 53/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. Illustrate how the TQM concept can integrate design, engineering, manufacturing and services. Explain why quality should be better by following the TQM concept than in a system that depends on final inspection.
2. How does a quantitative forecasting differ from a qualitative forecasting? What do you understand by time series analysis?
3. What relationship exists between layout decision, capacity decisions & scheduling? Define and describe the operating capacity of a college of business administration. How should its capacity be measured?
4. Discuss preventive maintenance. In what ways is preventive maintenance absolutely necessary in JIT/ kanban/ pull manufacturing as opposed to push manufacturing.
5. Describe the CAD and CAM system in Operations Management. Can they be integrated? If so give details of its working.