

**MANAGEMENT PROGRAMME
(MP)**

**Term-End Examination
December, 2024**

**MS-53 : PRODUCTION/OPERATIONS
MANAGEMENT**

Time : 3 Hours

Maximum Marks : 100

Weightage : 70%

Note : (i) Attempt any **five** questions.

(ii) All questions carry equal marks.

1. What is a production system ? What are the characteristics of the production system ? What constitutes a good production process ? Discuss a production system model.
2. What is Delphi's method of forecasting ? What are the guidelines to conduct a Delphi study ? Discuss the advantages and common pitfalls of Delphi's method of forecasting.

3. Define capacity planning. What are the aspects of capacity planning ? Discuss the phases involved in long-term capacity studies.
4. What do you mean by Just-In-Time (JIT) manufacturing ? What are the prerequisites for JIT manufacturing ? Discuss the benefits of JIT manufacturing.
5. What is Material Requirement Planning (MRP) ? What are the objectives of MRP ? Discuss the important elements of an MRP system.
6. What is Computer Integrated Manufacturing (CIM) ? Explain the components of CIM.
7. Write short notes on any **four** of the following :
 - (i) House of quality.
 - (ii) Role of forecasting in operations management
 - (iii) Potential benefits in improving management information system
 - (iv) Kanban System of Production Scheduling
 - (v) Independent demand *vs.* Dependent demand in inventory management

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