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**MS-53**

**MANAGEMENT PROGRAMME**

**(MP)**

**Term-End Examination**

**December, 2025**

**MS-53 : PRODUCTION/OPERATIONS**

**MANAGEMENT**

*Time : 3 Hours*

*Maximum Marks : 100*

*Weightage : 70%*

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

(ii) All questions carry equal marks.

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1. Explain the concepts of Group Technology (GT) and Optimised Production Technology (OPT). Discuss the systemic view of operations consisting input-process-output model with suitable examples.

2. What is the need of forecasting in production management ? Discuss the general steps involved in the process of forecasting. Explain the forecasting error with the help of a suitable diagram.
3. Briefly explain the “Time Series Models and Casual Model” of quantitative forecasting techniques. What is ‘Forecast Error’ ? Elaborate with examples.
4. What is work measurement ? Discuss the various work measurement techniques. How is ‘Time-based Payment’ different from ‘Output-based Payment’ ?
5. What are the different needs of aggregate plan for a corporate ? Discuss the various reactive alternatives used to arrive at an acceptable aggregate staff plan.
6. What is ‘Material Management’ ? Discuss the objective of material management. Explain the issues related to material planning.

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7. Write short notes on any *four* of the following :

- (i) Variants of Delphi technique
- (ii) Traditional Economic Analysis
- (iii) Fixed Position Layout
- (iv) Quality
- (v) Just-in-Time

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