

MANAGEMENT PROGRAMME

Term-End Examination

June, 2019

02962

**MS-053 : PRODUCTION/OPERATIONS
MANAGEMENT**

Time : 3 hours

*Maximum Marks : 100
(Weightage 70%)*

Note : *Attempt any **four** questions. All questions carry equal marks.*

1. (a) Define a production system. Give its major characteristics. Taking example of a manufacturing company, explain the system viewpoint of operations management.
- (b) Explain the complementary role of productivity and wastivity in effective utilization of resources.
2. (a) Discuss the objectives of good facility planning. Name the various types of layout.
- (b) What are the major benefits of ISO 9000 certification ? Discuss the utility of ISO 9000 certification for an automobile company.

3. (a) Discuss 'Organized Problem Solving' in the context of quality management.
- (b) What are the main classes of quantitative models for forecasting ? Explain exponential smoothing method.
4. (a) With the help of suitable examples, explain the characteristics of 'Just-in-time' concept.
- (b) Why is inventory required in any manufacturing organization ? State the assumptions for EOQ model.
5. (a) Discuss the application of Computer Aided Process Planning (CAPP) for production management.
- (b) Explain the characteristics of Total Preventive Maintenance (TPM). Why is it a preferred technique ?
6. (a) Explain Flexible Manufacturing System with the help of a suitable example.
- (b) What is a 'bath-tub curve' ? Discuss in detail. Explain chronic and sporadic losses with examples.
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