

03261

MANAGEMENT PROGRAMME

Term-End Examination

June, 2014

**MS-53 : PRODUCTION OPERATIONS
MANAGEMENT**

Time : 3 hours

Maximum Marks : 100

(Weightage 70%)

Note : Answer any four questions. All questions carry equal marks.

1. (a) Illustrate how the TQM concept can integrate design, engineering, manufacturing and services.
(b) Explain the complementary role of productivity and wastivity in effective utilization of resources.
2. (a) Discuss the various techniques of Qualitative Methods of Forecasting.
(b) What are the objectives of good facility planning? Name the various types of layout.
3. (a) Explain the various approaches for Job design.
(b) Discuss the various work measurement methods.

4. (a) What do you mean by Aggregate planning ? Discuss the managerial importance of aggregate plans.
- (b) Discuss the various approaches for Scheduling for different Production Systems.
5. (a) What is MRP ? How it is different than traditional inventory management ? Briefly discuss the important elements of MRP.
- (b) The demand of an item is uniform at a rate of 20 per month. The fixed cost is Rs.10 of production run. The production cost is Re.1 per item. The Inventory carrying cost is Rs. 0.25 per item per month. If shortage cost is Rs. 1.25 per item per month, determine how often to make production run and of what size.
6. Write short notes on **any four** of the following :
- (a) Process Capability
- (b) Vendor Rating
- (c) Total Productive Maintenance
- (d) JIT System
- (e) Group Technology and Cellular Manufacturing
- (f) Expert Systems in Operations Management
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