

Business Operations Management Semester-II

1. Production & Operations Management Concepts
 - Definition, scope and objectives of Production & Operations
 - Interdepartmental relationship
 - Production & Operation strategies
 - Concept of productivity.

2. Production Techniques & facility Planning
 - Process design frame work
 - Different techniques: Batch Production, Project, Jobbing, Mass & Flow, Continuous process.

3. Plant Location & Layout
 - Factors,
 - Principles
 - Types

4. Work Study
 - Work System Design
 - Process planning & Methods study,
 - Time study; Measurement,
 - Work sampling and its application
 - Incentive schemes

5. Quality Assurance and Control
 - Total Quality Control: Concept & Philosophy
 - Quality Assurance: SPC & other tools
 - JIT: Concept & Approach

6. Planning & Control
 - Capacity Planning: Definition and basic concepts
 - Long term and short term capacity strategies,
 - Manufacturing Planning and Control
 - Lead time control

7. Supply Chain Management
 - Overview: concept, components and integration
 - Inventory management,
 - Warehousing and distribution management
 - SCM and Logistics

8. Maintenance Management
 - Principles, need, policies and objectives
 - Types of maintenance
 - Reliability and life testing

Total Productive Maintenance

9. Business Process Management Concepts

Process Flows

Enterprise Resource Planning

Business Process Reengineering

10. Materials Management Concepts

Purchasing/Sourcing

Inventory/Stores Operations

Material Handling

11. Work-force Management