

## 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