

Operations Management-II

Suggestive Coverage:

- Role of Purchasing and Materials Management
- The Role of Purchasing and Materials Management in Business
- Supplier Selection and Evaluation Procurement
- Inventory Management Principles
- Independent Demand Inventory, Inventory Control Applications
- Decision Models for Inventory Management
- Inventory Management under Uncertainty
- Stochastic Inventory Models Inventory Management Game Material Requirement Planning
- Lot Sizing in MRP Systems
- Lot Sizing for Dynamic Demand
- Reading : A Note on Dynamic Lot Sizing Problem using Wagner- Whitin Algorithm
- Group Technology
- Cellular Manufacturing System Reduces Setup Time, Make Small Lot Production Economical
- Just in Time (JIT)Production
- Flexible Manufacturing System
- Read : Flexible Manufacturing System
- Total Quality Management
- ISO & Quality Standards
- Quality systems- Model for quality assurance in design/ development, production, installation and servicing
- Seven QC Tools
- Statistical Process Control Acceptance Sampling Maintenance Management
- Reading : The Maintenance of Facilities
- Reading : Total Productive Maintenance

Suggestive Text Books:

- Production and Operations Management, E.E. Adam and R.J. Ebert, Prentice Hall of India
- Modern Production/ Operations Management, E.S. Buffa and R.K. Sarin, John Wiley
- Japanese Manufacturing Techniques, R.J. Schonberger, Free Press
- Statistical Quality Control, D.C. Montgomery, John Wiley
- Maintenance and Spare Parts Management, P. Gopalakrishnan and A.K. Banerji, Prentice Hall of India
- Quality Planning and Analysis, J.M. Juran and F.M. Gryna, Tata McGraw Hill
- Operations Management, Roger G. Schroeder, McGraw Hill