

BBA HONOURS 6th SEMESTER
DISCIPLINE SPECIFIC ELECTIVE – II (DSE-4)

OPTION-I

BBA620D2A: POM: MATERIALS MANAGEMENT

CREDITS: THEORY: 04; TUTORIAL: 02

MAX. MARKS: THEORY: 60; TUTORIAL: 30

MIN. MARKS: THEORY: 60; TUTORIAL: 30

***COURSE OBJECTIVE:** This course aims to arm students with a comprehensive understanding of the field of Material Management from both a strategic and tactical perspective.*

A. COURSE CONTENTS (THEORY) (4 CREDITS) (60 marks)

Unit I:

Materials management – An overview – Introduction – Scope – Objective – Importance; Integrated approach to Materials Management

Unit II:

Material Planning – Introduction – Factors affecting material planning – Techniques of material planning – MRP; Purchasing, Procedure & Pricing Issues – Receipt – Storage – Issue

Unit III:

Inventories – Definition-Classification of Inventories- Need for inventories – Merits & Demerits of Inventories, Inventory control techniques and principles - classification, codification, standardization – ABC analysis –VED, GOLF, FSN -HML

Unit IV:

Economic order quantity concept – Derivation of EOQ formula, modified EOQ, Case Studies, Problems on Economic Order Quantity. Impact of discount on EOQ.

B. COURSE CONTENTS - TUTORIAL (2 CREDITS) (30 marks)

- ---Field visit to a local unit/manufacturing firm/trading firm/service firm describing the issues related to the materials management aspects and submitting a brief report thereof.

SUGGESTED READINGS:

1. Materials and logistics Management – Prof. Shailesh Kasande
2. Materials and logistics Management – Dr. L. C. Jhamb
3. Materials Management – Mr. K. K. Ahuja
4. An integrated approach to Materials Management – Gopalkrishnan & Sundersan.

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DISCIPLINE SPECIFIC ELECTIVE – II (DSE-4)

OPTION-II

BBA620D2B: POM: SUPPLY CHAIN AND LOGISTICS MANAGEMENT

CREDITS: THEORY: 04; TUTORIAL: 02
MAX. MARKS: THEORY: 60; TUTORIAL: 30
MIN. MARKS: THEORY: 60; TUTORIAL: 30

A. COURSE CONTENTS (THEORY) (4 CREDITS) (60 marks)

UNIT-I:

Role of Supply Chain Management: Scope and Importance, Supply Chain Revolution – Generalized Supply Chain Model, Digital Business Transformation, Supply chain information system.

UNIT II:

Inventory- Policies and Practices, Inventory Control; Transport functionality- Principles, Participants and service, Order processing- mechanism and practices, Purchasing- principles and procedure, Warehousing, Materials Handling, Customer Service management- Quality imperatives.

UNIT III:

The Logistics of Business - The Logistical Value Proposition- The Work Of Logistics-Logistical Operating Arrangements - Flexible Structure –Supply Chain Synchronization. Manufacturing- Logistical Interfaces.

UNIT IV:

Distribution Network Planning and Warehouse. Warehousing-Warehousing Operations-Warehousing Ownership Arrangements, Warehouse Decisions, Warehouse design. Packaging Perspectives- Packaging for Materials Handling Efficiency, Materials Handling.

B. COURSE CONTENTS - TUTORIAL (2 CREDITS) (30 marks)

- ---Field visit to a local unit/manufacturing firm/trading firm/service firm describing the issues related to the supply chain and logistics management aspects and submitting a brief report thereof.

SUGGESTED READINGS

1. Supply Chain Logistics Management - Bowersox, Closs& Cooper –McGraw-Hill, 2nd Indian Ed.
2. World Class Supply Management - Burt, Dobbler, Starling, TMGH, 7th ed.
3. Global operations & Logistics- Philippe - Pierre Dornier, John Wiley & sons Inc,New York.
4. Designing and Managing the supply chain - David Simchi, Levi & Philip Kaminski, McGrawHill Companies Inc.Operations Now – Finch, Mc Graw Hill, 3rd ed.

BBA HONOURS 6th SEMESTER
DISCIPLINE SPECIFIC ELECTIVE – II (DSE-4)

OPTION-III

BBA620D2C: POM: PRODUCTION PLANNING & CONTROL

CREDITS: THEORY: 04; TUTORIAL: 02
MAX. MARKS: THEORY: 60; TUTORIAL: 30
MIN. MARKS: THEORY: 60; TUTORIAL: 30

Course Objective: To develop a broad conceptual framework based on the research which has been done in the recent past and to bridge the gap between the theoretical solutions and its real world problems in production planning and control.

A. COURSE CONTENTS (THEORY) (4 CREDITS) (60 marks)

UNIT-I

Forecasting for Production: Objectives, Factors affecting accuracy of forecast, Methods of Forecasting; Production Planning to meet regular and seasonal demands, routing, Loading, scheduling dispatching and progress chart.

UNIT-II

Aggregate Planning, Job Shop Planning, Line Balancing, Planning Versus Execution; Materials Requirement Planning, Perspective, Bills of Materials, Master Production Schedule, Inventory status, methodology, Explosion of requirements, Determining Gross /Net Requirement and various reports.

UNIT-III

Various documents used in Production Planning and Control. Application of Computers in PPC; Role of Inventory Planner in production Planning, Use of Inventory turn to stimulate productivity improvements; effect on service level, ROI, Integration of sales forecast, Production Planning and Inventory Management.

UNIT-IV

Total Quality Management: Basic concepts and Applications, Continuous Improvement Strategies in TQM, Deming Wheel, TQM culture, Quality Circle, Principles and Application of Quality Function Deployment, Statistical quality Control Techniques, JIT and Kanban, Top management Commitment and involvement in TQM.

B. COURSE CONTENTS - TUTORIAL (2 CREDITS) (30 marks)

- **---Field visit to a local unit/manufacturing firm/trading firm/service firm describing the issues related to the production planning and control aspects and submitting a brief report thereof.**

SUGGESTED READINGS:

1. Principles of Production Control - Burbidge.
2. Production and Inventory Control handbook – Greene, James H.
3. Production and Inventory Control – Mc Leavey, Dennies W. and Narasimohan S.L.
4. Manufacturing Planning and Control –Valiman T.E. and others.
5. Rose J.E., Total Quality Management, Kogan page India Pvt., Ltd., 1993.
6. Jill A. Swift, Joel E. Ross and Vincent K. Omachonu, Principles of Total Quality Management.