

B. COM.
SEMESTER II
Production Management (GE 2)
(100 Marks – 60 Lectures)

Objective:

To acquaint students with the basic concepts of production management, some key decisions and functions relating to production that have a bearing on the performance and profitability of a business.

Unit I Introduction to Production

(25 Marks 15 Lectures)

- a) Meaning of production, production management and operations management. Importance of production function. Production planning and control – meaning and scope.
- b) Plant layout – features, principles of a good plant layout. Importance of layout. Types of layout – product layout, process layout, group technology/combined layout. Service facility layout – design of services and service processes. Special arrangements for particular types of plants. Arrangements of other facilities – location of receiving and shipping departments, storage, inspection, maintenance, employee facilities.

Unit II Purchasing and Material Handling

(25 Marks 15 Lectures)

- Purchasing - Meaning, importance (overview), purchasing cycle – steps. Purchasing policy – make or buy decisions.
- Material handling – Materials and Materials handling – meaning. Material management – objectives.
- Material handling costs – Cost of owning and cost of operating – concept.

Unit III Inventory Management and Control

(25 Marks 15 Lectures)

- Meaning of Inventory control and importance. Factors influencing inventory management.
- Inventory control techniques – selective Inventory control, ABC analysis, HML analysis, FNSD analysis, VED analysis, SDE analysis.
- Economic Order Quantity (EOQ) and Just-in-time (JIT) – concepts.

Unit IV Value Analysis

(25 Marks 15 Lectures)

- Meaning of Value, Value analysis. Steps in value analysis programme – selection of products for value analysis, identifying the functions, evaluation of function by comparison, developing alternatives.
- Fundamental tools of value analysis programme. Design analysis and cost analysis.
- Advantages and limitations of value analysis.

References:

- 1. Atul Sharma, Neetu Sharma *Production Management*. Vayu Education of India.
- 2. Ashwathappa & Bhat *Production and Operations Management*. Himalaya Publishing House.
- 3. Bedi Kanishka *Production and Operations Management*. Oxford Higher Education.
- 4. Chary, S. N. *Production and Operations Management*. Tata McGraw Hill.

5. Everette E. Adam, Jr. Ronald J. Ebert *Production and Operations Management*. Prentice Hall India.
6. Kothari, C. R. *An Introduction to Operational Research*. Vikas Publishing House.
7. Rao Thukarm M. E. *Production and Operations Management*. New Age International Publishers.
8. Singh, S. P. *Production and Operations Management*. S. Chand.
9. Singhal, R. K. *Production Management*. Katson Books.
10. Starr Martin. K. *Production and Operations Management*. Cengage Learning India.
11. Telsang, M. T. *Production Management*. S. Chand.