

PRODUCTION AND OPERATION MANAGEMENT

| Name of Course | Semester | Core/Elective/Allied/Practical/Project | Course/Paper Code | Course/Paper Title | Credit | Internal Marks | External Marks | External Exam Time Duration |
|----------------|----------|--|-------------------|------------------------------------|--------|----------------|----------------|-----------------------------|
| B.B.A. | V | Core | 19BBA503 | Production & Operations Management | 3 | 30 | 70 | 2 ½ Hours |

COURSE OBJECTIVES

To understand the production and operation function and familiarize students with the technique for planning and control.

COURSE CONTENT

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| Unit - 1 | Introduction to Production and Operations Management |
| | Concept and Definition of Production Management and Operations Management, Objectives of Operations management, decision areas in operations management, recent trends in operations management, difference between manufacturing and service operations. |
| Unit – 2 | Process Selection |
| | An overview of major process decisions, A detailed study of the, advantages and limitations of job shop process, batch process, assembly process, continuous process characteristics and project process. |
| Unit - 3 | Aggregate Planning and Maintenance Management |
| | Concept of aggregate plan, Importance of Aggregate plan, Approach to aggregate planning, Concept of Capacity Planning and CRP (Capacity Requirement Planning), Maintenance Management – Concept, Importance, Types of Plant Maintenance. |
| Unit – 4 | Facility Location and Facility Layout |
| | Introduction to Facility Location, steps in location selection and factors affecting- selection of region, community and site selection. Introduction to Facility Layout, factors affecting facility layout, objectives of a good layout, types of layout (product, process, combined , cellular , static layout) |

REFERENCES

- Production and Operation Management, S.A.Chunawalla and D.R. Patel, Himalaya Publishing House, Mumbai
- Production and operation Management K. Aswathappa and K. Shridhara Bhatt ,Himalaya Publishing House, Mumbai
- Operations Management, Mahadevan B, Pearson Education, New Delhi,2008
- Operations Management, Russel & Taylor, Pearson Education, New Delhi,2008
- Operations Management, Chase, Jabocs and Acquiliano, Tata McGraw Hill,
- Operations Management, Krajawski & Ritzman, , Pearson Education, New Delhi, 2003
- Production and Operations Management, Bedi Kanishka, OXFORD University Press
- Production and Operation Management, Bhatt K.S, Himalaya Publishing House,