

## 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

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,