

S. No.	Course Code	Course Name	Course Type	Cd	L	T	P	Marks		
								Sessional	Final Exam	Total
6	MBA-206	Operations Management	Core	4	4	0	0	30	70	100

COURSE OUTCOMES:

At the end of the course the student will be able to: -	
CO1	Understand the nature and scope of Operations Management.
CO2	Apply various concepts of operation management in selecting facility location and layout of production system.
CO3	Analyze tools and techniques of inventory management and their contribution towards production and operations management.
CO4	Evaluate the scope of production planning and control to create competitive advantage
CO5	Appraise the techniques of Inventory Management and its applications.

Detailed Syllabus

UNIT I

Introduction to Operation Management: Introduction to Operations Management - Nature, Scope, Importance and Functions, Evolution from manufacturing to operations management. Types of Production System. New concept in operation management - ISO, Total Quality Management, Kaizen, Program Evaluation Review Technique, KANBAN, Six Sigma Concept, Supply Chain Management and case study analysis.

UNIT II

Facility Location and Layouts: Facilities Location & Layout – Strategic importance - Factors affecting location & layout - Installation of facilities – Single location, multi-location decisions. Principles and Types of Facilities Layout. Capacity Planning - concepts: Factors Affecting Capacity Planning, Capacity Planning Decisions, Line balancing and case study analysis.

UNIT III

Production Planning and Control: Importance and Functions of Production Planning & Control. Factors affecting PPC, Aggregate Planning - Aggregate capacity planning, approaches to Aggregate planning, Scheduling, Loading & Sequencing, Work Study - Productivity: Method Study; Work Measurement.

UNIT IV

Material and Store Management: Material Management - Concepts & Importance, Integrated System of Materials Management, Materials Requirement Planning, Purchasing Systems, Vendor Analysis & Control. Store Management: Functions, systems and procedures, store accounting and verification system, store layout, Standard codification and variety reduction

UNIT V

Inventory Management: Inventory Management: Meaning, Objectives of Inventory management, Types of inventories and cost of inventories. Inventory management and control, process of inventory management and control, Techniques of Inventory Control: ABC, VED, FSN, EOQ, JIT manufacturing.

Text Books

S.No	Name of the Suggested Books	Name of Author	Publisher Name	Edition (Pub.Yr.)
1.	Production and Operations Management	Ajay K Garg	Tata Mc Graw Hill Education Pvt Ltd	3rd (2017)
2.	Production / Operations Management, Case Study Solution	S.N. Chary	Tata Mc Graw Hill Education Pvt Ltd	1 st (2017)
3.	Production management	Adam, E. and Elbert R.J	Prentice Hall of India	5 th (1998)

Reference Books

S.No	Name of the Suggested Books	Name of Author	Publisher Name	Edition (Pub.Yr.)
1.	Production and Operational Management	K Aswathapa, Bhat, Sreedhar Bhat	Himalaya Publishing House	2 nd (2019)
2.	Production and Operation Management	S.A Chunawalla and Patel	Himalaya Publishing	9 th (2018)