

PROGRAM	Bachelors Of Commerce / Bachelors Of Commerce(Hons)
SEMESTER	IV
COURSE TITLE	Production & Operations Management
COURSE CODE	04BC0422
COURSE CREDITS	04
COURSE DURATION	48 Hrs (48 sessions of 60 minutes each)

COURSE OUTCOMES:

- Understand the relevance of production and operations management in industry.
- Enable the students to manage the productive resources for the growth and competitiveness of any organization.
- To recognize the production management and planning problems.
- Apply principles and techniques in the design, planning and control of these systems to optimize /make best use of resources in achieving their objectives.
- To recognize the production management and planning problems.
- Apply the techniques of inventory management and quality management.
- To analyze and select the most appropriate methods and tools for the solution of problems related to production planning, shop floor scheduling and inventory control

Teaching and Examination Scheme

Teaching Scheme (Hours)			Credits	Internal Marks (50%)		End-Semester Examination (50%)			Total Marks
Theory	Tutorial	Practical		IA	CSE	Theory	Practical/Viva	Term Work (TW)	
4	0	0	4	30	20	50	0	0	100

Course Contents:

Unit No	Unit / Sub Unit	Sessions
I	Introduction: Meaning, Nature and Scope of Production and Operation Management, Types of production processes.	08
II	Plant location and Lay out: Factors considered in location, Types of Layout, PPC (Only concept).	10
III	Materials Management: Importance of Materials Management, Concept of purchasing, principles of purchasing and process of purchasing. Types of purchasing: Inventory management, its prime importance, Inventory Control Techniques - ABC, FSN, GOLF, VED, SOS (only concepts).	12
IV	Methods Study & Maintenance Management: Methods Study, Work Study and Time Study: (only Concept), Maintenance Management: Need of maintenance	10

	management, Types of maintenance management.	
V	Quality Management: lean manufacturing, JIT, Kaizen, ISO series, TQM.	08

SUGGESTED READINGS:

Text Books:

Sr. No	Author/s	Name of the Book	Publisher	Edition & Year of Publication
T-01	K. Aswathappa and K. Shridhara Bhat	Production and Operation Management	Himalaya Publishing House	Second Edition

Reference Books:

Sr. No	Author/s	Name of the Book	Publisher	Edition and Year of Publication
R-01	S.A.Chunawalla and D.R. Patel	Production and Operation Management	Himalaya Publishing House	Ninth Edition
R-02	Kanishka Bedi	Production and Operation management	Oxford higher education	Second Edition
R-03	Mahadevan B	Operations Management	Pearson Education	Second Edition