



ST. JOSEPH'S COLLEGE OF COMMERCE

(AUTONOMOUS)

LESSON PLAN FOR ODD SEMESTER 2018- 2019

PRODUCTION AND OPERATIONS MANAGEMENT

BBA (PROFESSIONAL)

PREPARED BY

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M115MC304: PRODUCTION AND OPERATION MANAGEMENT

III SEMESTER BBA (PROFESSIONAL) 2018– 2019

Module wise lesson plan

Objective: Production / operations management deals with the integration of numerous activities and processes to produce products and services in a highly competitive global environment. At the end of the course students will have a fair understanding of the role Production Management plays in a business process. Emphasis is given both to familiarization of various production processes and service system

Total no. hours: 60

Module	Total no. of hours	Topics for student preparation (INPUT)	Session Hours reqd	Teaching methodology (PROCESS)	Learning outcome (OUT PUT)	Assessment
1 Introduction	8	Meaning, scope and functions	2	Lecture using PPTs and discussions	Get familiarize with production and operations management and the role of production manager	Assessing the ability to discuss with industry examples, MCQs
		Historical development Functions & responsibilities of a production manager	2			
		Relationship of production with other functions	2			
		Systems or types of production	2			
2 Plant layout and location	10	Plant location – steps, factors affecting location	2	Lecture using PPTs and discussion	Understand the importance of plant location and layout also will get an idea of various organisational facilities required for efficient production	Case study, examples through videos, presentations and discussions
		Plant layout – theory, plant layout principles	2			
		Types of layout- advantages and disadvantages	2			
		Techniques of plant layout	1			
		Organisation of physical facilities-building, lighting, safety etc – protection measures and importance	3			
3 Materials Management	12	Materials Management - meaning, objectives, scope	1	Lecture using PPTs, discussions and examples	Get familiarize with various aspects of	Industry examples, discussion

		Material control- concept, types, concept of EOQ, systems and techniques	3		material management and material handling	based assessment
		Purchasing – objectives, categories of purchasing needs, advantages and disadvantages of centralized and decentralized buying	3			
		Selection of suppliers, purchasing policies, vendor rating techniques,	2			
		Value analysis – value engineering, stores layout system, material handling	3			
4 Production planning & control	16	Production planning: concept, scope & significance and functions – estimating, routing, scheduling and loading –	4	Lecture through discussions and power point	Get familiarize with planning and controlling aspects, knowledge of various quality control techniques	MCQs, Quiz and case study
		Production control: dispatching, follow up, inspection & evaluating & corrective action	2			
		Quality control - Meaning, objectives	1			
		Statistical Quality Control (SQC) , Statistical Process Control (SPC), Total Quality Management (TQM), Quality Control (QC)	5			
		Six Sigma – Meaning and significance Lean management	4			
5 Time & Motion study	8	Concepts of standard time	1	Lecture through PPTs, charts, explanation using chalk and board	Understand the concept and need for time and motion study	Classroom project
		Method study – work measurement techniques	2			
		Work study- need, benefits and technique	2			
		Time and motion study- procedure, purpose, work sampling, work simplification	2			
		Charts, diagrams, work measurements	1			

6 Maintenance Management & Waste Management	6	Maintenance Management – meaning , types of maintenance-merits & demerits,	1	Lecture using PPTs discussions	Familiarize with maintenance and waste management	MCQs, discussion through examples
		Maintenance scheduling,	2			
			procedure and tools			
		Scrap & surplus disposal,	1			
		Automation – meaning, considerations, advantages & forms of automation	2			