

UNIVERSITY OF MADRAS

B.B.A. DEGREE PROGRAMME IN BUSINESS ADMINISTRATION

SYLLABUS WITH EFFECT FROM 2023-2024

Subject Code	Subject Name	Category	L	T	P	O	Credits	Inst. Hours	Marks		
									CIA	External	Total
350C6C	Production & Materials Management	Core	Y	-	-	-	4	6	25	75	100
Learning Objectives											
CLO1	To provide comprehensive outlook on basic concepts and practices of production.										
CLO2	To understand types of layout facilities										
CLO3	To analyse work study methods and quality control										
CLO4	To enable the students to gain knowledge on Inventory control and Vendor rating										
CLO5	To give an insight to Purchase management										
UNIT	Details								No. of Hours	Learning Objectives	
I	Introduction – Meaning, scope and Functions of Production Management - Different types of Production Systems. Production design & Process planning: Plant location: Factors to be considered in Plant Location – Plant Location Trends.								15	CLO1	
II	Layout of manufacturing facilities: Principles of a Good Layout – Layout Factors – Basic Types of Layouts – Service Facilities.								15	CLO2	
III	Methods Analysis and Work Measurement: Methods Study Procedures – The Purpose of Time Study – Stop Watch Time Study – Performance Rating – Allowance Factors – Standard Time – Work Sampling Technique. Quality Control: Purposes of Inspection and Quality Control – Acceptance Sampling by Variables and Attributes – Control Charts.								15	CLO3	
IV	. Integrated materials management- the concept- service function advantages- Inventory Control- Function of Inventory - Importance-Replenishment Stock-Material demand forecasting- MRP- Basis tools - ABC-VED- FSN Analysis - Inventory Control Of Spares And Slow Moving Items -EOQ-EBQ-Stores Planning – Stores Keeping and Materials Handling – objectives and Functions								15	CLO4	
V	Purchase Management- Purchasing - Procedure - Dynamic Purchasing - Principles – import substitution-, Vendor rating and Management								15	CLO5	
	Total								75		

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Course Outcomes		
Course Outcomes	On completion of this course, students will;	Program Outcomes
CO1	Provide comprehensive outlook on basic concepts, and practices of production	PO1, PO2, PO6
CO2	Identify right plant location and plant layout of factory	P01, PO2,PO6
CO3	Know work study & method study, its procedure & quality control techniques in production.	PO1, PO2, PO3, PO6
CO4	Outline inventory control concepts and its replenishment to manage inventory	PO1, PO6, PO7
CO5	Discuss purchase management procedure and identify vendor rating mechanisms	PO1, PO2, PO6, PO8
Reading List		
1.	K.ShridharaBhat; Material Management; Himalaya Publishing House; Mumbai 2020	
2.	R.B Khanna, Production and Operations management , Prentice Hall Publications, 2015	
3	Biswajit Banerjee, Operations Management and Control, S Chand, Revised Edition, 2010	
4	Anil Kumar S and N Suresh, Operation Management, New Age International 1 st Edition, 2018	
5	,tnemeganaM snoitarepO , nosnevetS .J mailliW McGraw Hill; 13th Edition, 2022	
References Books		
1.	P.Saravanavel and S.Sumathi; Production and Materials Management, Margham Publications, 2015	
2.	M.M.Verma , Materials Management Sultan Chand Publishing , Edition 2004	
3.	P. Gopalakrishnan&AbidHaleem; Hand book of Materials Management, Second Edition, PHI Learning Pvt., Ltd., 2015.	
4.	P. Ramamurthy, Production and Operations Management, JBA publishers, 2nd edition 2013.	
5.	S.N.Chary, Production and Ooperations Management, JBA Publishers, Edition Edition VI	
Web Resources		
1	https://mrcet.com/downloads/digital_notes/ME/III%20year/POM%20NOTES.pdf	
2	https://www.iare.ac.in/sites/default/files/lecture_notes/IARE_OM_NOTES.pdf	
3	https://www.vssut.ac.in/lecture_notes/lecture1429900757.pdf	
4	https://ebooks.lpude.in/management/mba/term_4/DMGT525_MATERIALS_MA NAGEMENT.pdf	
5	https://examupdates.in/materials-management-notes/	

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Methods of Evaluation		
Internal Evaluation	Continuous Internal Assessment Test	25 Marks
	Assignments	
	Seminar	
	Attendance and Class Participation	
External Evaluation	End Semester Examination	75 Marks
	Total	100 Marks
Methods of Assessment		
Recall (K1)	Simple definitions, MCQ, Recall steps, Concept definitions	
Understand/ Comprehend (K2)	MCQ, True/False, Short essays, Concept explanations, Short summary or overview	
Application (K3)	Suggest idea/concept with examples, Suggest formulae, Solve problems, Observe, Explain	
Analyze (K4)	Problem-solving questions, Finish a procedure in many steps, Differentiate between various ideas, Map knowledge	
Evaluate (K5)	Longer essay/ Evaluation essay, Critique or justify with pros and cons	
Create (K6)	Check knowledge in specific or offbeat situations, Discussion, Debating or Presentations	

Mapping with program outcomes

	PO 1	PO 2	PO 3	PO 4	PO 5	PO 6	PO 7	PO 8
CO 1	S	M	M	M	M	S	M	S
CO 2	S	S	M	M	S	S	M	S
CO 3	S	S	M	M	M	S	M	S
CO 4	S	S	M	M	M	S	M	S
CO 5	S	S	M	M	M	S	M	S

S-Strong M-Medium L-Low

CO-PO Mapping (Course Articulation Matrix)

Level of Correlation between PSO's and CO's

	PSO 1	PSO 2	PSO 3	PSO 4	PSO 5
CO 1	3	3	3	3	3
CO 2	3	3	3	3	3
CO 3	3	3	2	3	3
CO 4	3	3	3	3	3
CO 5	3	3	3	3	3
Weightage	15	15	14	15	15
Weighted percentage of Course Contribution to Pos	3.0	3.0	2.8	3.0	3.0