

SYLLABUS PLAN
CLASS: M.COM {Semester II} (JANUARY to JUNE)
SUBJECT: PRODUCTION & OPERATION MANAGEMENT

TOTAL MARKS: 100
(External : 80 , Internal: 20)

Topic	Sub –Topic	Teaching Methodology	References
UNIT-1			
Introduction to Production Management	-Nature, Scope, Importance and Functions.	PPTs, examples, case studies and lecture method	1. Nair, Production & Operation Management, Tata McGraw Hill
Materials Management	Nature, Scope, Importance and Functions		2. Adam & Ebert, Production & Operation Management, Prentice Hall India
. Introduction of Inventory Control.	Static Inventory problem under risk. Dynamic Model under risk, policy coordinated, Replacement with discount		3. Krajewski & Ritzman, Operations Management Pearson
Introduction to purchasing, Functions of purchasing, procedure of purchasing, Selection Sources of Supply, Negotiation with Suppliers	, Functions of purchasing, procedure of purchasing, Selection Sources of Supply, Negotiation with Suppliers		4. Buffa & Sarin, Modern Production/Operations Management, John Wiley
			5. Muhleman, Production and Operations Management, Pearson Education.

operations management.			
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UNIT-II

Price determination.	<p>Price Cost Analysis, Quality determination and control valueanalysis</p> <p>Scope & functions of operations management, Forecasting of demand. Delphi.Methods, Statistical Quality Control Technique</p>	PPTs, examples, case studies and lecture method	<p>1. Nair, Production & Operation Management, Tata McGraw Hill</p> <p>2. Adam & Ebert, Production & Operation Management, Prentice Hall India</p> <p>3.Krajewski&Ritzman, Operations Management Pearson</p> <p>4. Buffa&Sarin, Modern Production/Operations Management, John Wiley</p> <p>5.Muhleman,Production</p>
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			and Operations Management, Pearson Education.
UNIT-III			
Facilities Location & Layout.	Strategic importance - Factors affecting location & layout- Installation of facilities –Single location, multi-location decisions. Principles and Types of Facilities Layout	PPTs, examples, case studies and lecture method	1. Nair, Production & Operation Management, Tata McGraw Hill 2. Adam & Ebert, Production & Operation Management, Prentice Hall India 3. Krajewski&Ritzman, Operations Management Pearson 4. Buffa&Sarin, Modern Production/Operations Management, John Wiley 5. Muhleman, Production and Operations Management, Pearson Education.
Production Planning & Control.	Importance and Functions of Production Planning & Control.		
PERT/CPM	Introduction to PERT / CPM - Network Crashing.		
UNIT-IV			
Productivity – Methods Study –	Work Study - Objectives, Scope and Uses Flow process chart, Flow diagram & Process mapping	PPTs, examples, case studies and lecture method	1. Nair, Production & Operation Management, Tata McGraw Hill 2. Adam & Ebert, Production & Operation Management, Prentice Hall India 3. Krajewski&Ritzman, Operations Management Pearson 4. Buffa&Sarin, Modern Production/Operations Management, John Wiley
Work Measurement - Performance Rating	Elements Allowances Standard Time Synthetic Time Standards		
Work Sampling			

			Wiley 5.Muhleman,Production and Operations Management, Pearson Education.
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Question Bank:-

1. 'The success or downfall of an enterprise depends upon the extent of care and accuracy with which the production function is managed'. Do you agree with the statement? Comment.
2. Write detailed notes on the following :
 - (a) Negotiations with suppliers
 - (b) Tools and techniques of inventory control.
3. Define the term purchasing. Why there is need for effective purchasing? Also discuss in detail the procedure involved in purchasing.
4. What is 'Price? Elaborate the various pricing policies adopted by firms to determine the price of products manufactured by them.
5. "Every change of location of industries involves a change in the combination of the means of production: hence a choice of location is only a variation of the general theory of substitution ". Elucidate this statement
6. 'First plan your work, and then work on your plan'. 'Comment upon this statement with regard to production planning and control.
7. State and explain the steps involved in PERT and CPM for project evaluation.
8. Explain various factors which influence productivity and differentiate between productivity and production.
9. Write detailed notes on the following: (a) Synthetic time standards (b) Performance rating (c) Allowances.
10. Describe the production management and also explain the importance of and function of material management.
11. Explain the following: (a) Static Inventory problem under Risk (b) Negotiations with Suppliers.
12. Write notes on the following: (a) Explain the features of policy coordinated (b) Importance of negotiation with suppliers
13. Explain the difference between continuous improvement and project quality planning.
14. Write notes on the following: (a) Functions of Demand forecasting (b) What are the importance of statistical quality control technique ?
15. Critically examine the Weber's theory of industrial location.
16. Discuss in detail, the different stages involved in production planning and control.
17. "Purchasing is an important boundary function that supports operations by acquiring major resources for the conversion process." Comment and justify. 18. Explain the steps involved in implementing the method study.
19. Write notes on the following: (a) What is flow diagram and processing mapping ? (b) Importance of synthetic time standard.
20. What do you mean by Production Management ? Explain its nature and scope in detail.

21. Explain how the following Forecasting Techniques deliver a consensus forecast :
(a) Nominal Group Technique (b) Delphi Technique.
22. Identify the different types of Inspections and discuss their roles in the Quality Assurance and Control Process.
23. Write a detailed note on Control Value Analysis. How quality determined?

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