



**SIDDHARTH UTE OF ENGINEERING & TECHNOLOGY: PUTTUR
(AUTONOMOUS)**

Siddharth Nagar, Narayanavanam Road - 517583

QUESTION BANK (DESCRIPTIVE)

Subject with Code: IEM (20ME0329)

Course & Branch: B.Tech - MECH

Year & Sem: III-B.Tech & I-Sem

Regulation: R20

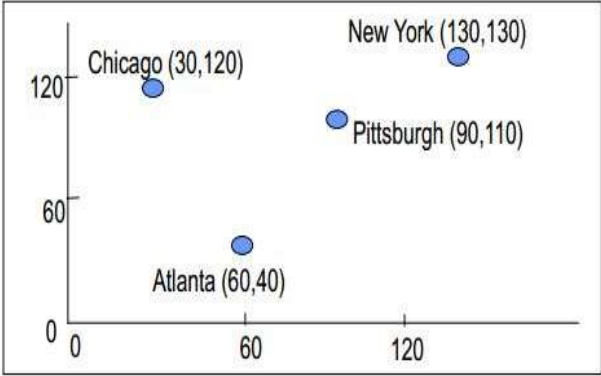
UNIT - I

CONCEPTS OF MANAGEMENT, ADMINISTRATION AND ORGANISATION

1	a	Summarize the important characteristics of management.	[L2][CO1]	[6M]
	b	Compare Douglas McGregor's Theory X and Theory Y.	[L2][CO1]	[6M]
2	a	Name and describe various levels of management with their functions.	[L1,L2][CO1]	[6M]
	b	Distinguish between Authority and Power?	[L4][CO1]	[6M]
3	a	Explain the Taylor's principles of scientific management.	[L1,L2][CO1]	[6M]
	b	Describe the Fayol's principles of management.	[L2][CO1]	[6M]
4	a	"Management is the art of getting things done through and with the people". Justify	[L5][CO1]	[6M]
	b	Discuss about the Herzberg's two factor theory of motivation.	[L2][CO1]	[6M]
5		Illustrate the Maslow's Hierarchy of human needs.	[L2][CO1]	[12M]
6	a	Construct an Organizational chart of your college and list out their responsibilities	[L3][CO1]	[6M]
	b	Identify the important features of systems approach to management	[L3][CO1]	[6M]
7	a	Elucidate the principles of organization.	[L2][CO2]	[6M]
	b	"Accountability is important for an Organization". Comment.	[L1][CO2]	[6M]
8	a	How do you classify the organizational structures? List out its characteristics.	[L1][CO2]	[8M]
	b	Define Management and Administration	[L1][CO1]	[4M]
9		Classify the organizations and write its merits and demerits.	[L4][CO2]	[12M]
10	a	Explain about departmentation with their merits and demerits	[L6][CO2]	[4M]
	b	Discuss about the decentralization and their merits and demerits.	[L6][CO2]	[8M]

UNIT - II

PLANT LOCATION & PLANT LAYOUT

1		What are the factors governing the plant location? Explain with any one specific industry.	[L1,2][CO2]	[12M]										
2		List out the merits and demerits of urban and suburban locations for a plant.	[L1][CO2]	[12M]										
3	a	Define plant layout and discuss about its objectives.	[L2][CO2]	[6M]										
	b	“Setting up an Industry in rural area is more advantageous”. Justify	[L5][CO2]	[6M]										
4		How do you classify the plant layouts? Give a critical appraisal for each of them.	[L1][CO2]	[12M]										
5	a	What are the various schemes offered by Government for the development of Rural Entrepreneurs?	[L1][CO2]	[6M]										
	b	Determine the location for a warehouse which will minimize the total distance to supply the four cities. with volume of demand and (x, y) coordinates are given	[L5][CO2]	[6M]										
		<div style="display: flex; align-items: center;"> <table border="1" style="margin-right: 20px;"> <thead> <tr> <th>Location</th> <th>Volume</th> </tr> </thead> <tbody> <tr> <td>Chicago</td> <td>200</td> </tr> <tr> <td>Pittsburgh</td> <td>100</td> </tr> <tr> <td>New York</td> <td>100</td> </tr> <tr> <td>Atlanta</td> <td>200</td> </tr> </tbody> </table>  </div>	Location	Volume	Chicago	200	Pittsburgh	100	New York	100	Atlanta	200		
Location	Volume													
Chicago	200													
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6		Explain with neat sketch about the process layout and product layout along its merits and demerits	[L2][CO2]	[12M]										
7	a	Discuss in detail the basic requirements and procedure for CRAFT and ALDEP technique.	[L6][CO2]	[6M]										
	b	How do you classify the Material Handling Systems used in plant layout?	[L1][CO2]	[6M]										
8	a	Why the material handling systems are important in industries?	[L1][CO2]	[4M]										
	b	List and Explain numerous factors to be considered for the selection of MHS.	[L1][CO2]	[8M]										
9		What are the various data analyzing forms in plant layout? Elucidate them in detail with neat sketch.	[L1,5][CO2]	[12M]										
10	a	Explain the importance of travel chart in effective layout of a production plant. Prepare a travel chart for a hypothetical engineering concern with 4 functional departments, i.e. foundry, machining, welding and inspection.	[L5][CO2]	[6M]										
	b	Distinguish between process layout and product layout.	[L4][CO2]	[6M]										

UNIT - III

WORK STUDY, METHOD STUDY & WORK MEASUREMENT

1	a	Define Work Study and also state its objectives.	[L1][CO3]	[8M]
	b	Compare Method Study and Work Measurement	[L2][CO3]	[4M]
2		Explain the steps involved in method study procedure.	[L2][CO3]	[12M]
3	a	Elucidate various method study symbols in detail.	[L2][CO3]	[6M]
	b	Compare outline process chart and flow process chart	[L2][CO3]	[6M]
4		Illustrate various types of charts available for recording the data in detail.	[L2][CO3]	[12M]

5	a	What are the typical questions used in operation analysis with respect to material shape, equipment, tool, and other aspects of the operation and elements of operation?	[L1][CO3]	[6M]
	b	What is the purpose of string diagram and explain it with an example	[L1][CO3]	[6M]
6	a	Discuss about the SIMO chart with an example.	[L6][CO4]	[8M]
	b	What are the benefits of Work Measurement?	[L1][CO4]	[4M]
7	a	What is therblings? List out various symbols used and its usage in work measurement.	[L1][CO4]	[6M]
	b	List out the objectives of method study.	[L1][CO4]	[6M]
8		Discuss about various methods used for work measurement.	[L6][CO4]	[12M]
9		What measurements are to be done in a stop watch time study? Discuss briefly how they are done?	[L1,L6][CO4]	[12M]
10		What is performance rating? Discuss about various methods of performance rating with an example.	[L1,L6][CO4]	[12M]

UNIT - IV**MANAGERIAL ECONOMICS & MARKETING**

1	a	What do you mean by elasticity of demand? And also mention the factors governing the elasticity of demand	[L1][CO5]	[8M]
	b	Explicate the concepts of Managerial Economics.	[L2][CO5]	[4M]
2	a	Explain briefly the Consumers' opinion survey method of forecasting.	[L5][CO5]	[8M]
	b	What is meant by Demand Analysis?	[L1][CO5]	[4M]
3	a	Describe briefly the Delphi opinion survey method of forecasting.	[L2][CO5]	[8M]
	b	Define Law of Demand and demand forecasting.	[L2][CO5]	[4M]
4	a	Explain briefly the following opinion survey methods of forecasting: (i) Sales force opinion survey method (ii) End-use method.	[L2][CO5]	[8M]
	b	What are the exceptions to the law of Demand?	[L1][CO5]	[4M]
5	a	Explain briefly the following statistical methods of forecasting. (i) Moving average method (ii) Leading indicators method	[L5][CO5]	[8M]
	b	Define and classify the Elasticity of demand.	[L1][CO5]	[4M]
6	a	Explain briefly the following statistical methods of forecasting. (i) Regression method (ii) Trend projection method	[L5][CO5]	[8M]
	b	Define perfect and imperfect competition.	[L1][CO5]	[4M]
7		Classify and explain the types of markets.	[L2][CO5]	[12M]
8		Summarize the features of perfect and imperfect competition?	[L2][CO5]	[12M]
9		Classify and explain the pricing methods in detail.	[L2][CO5]	[12M]
10		Discuss in detail about the pricing strategies.	[L6][CO5]	[12M]

UNIT - V**SUPPLY CHAIN MANAGEMENT**

1		Explain the importance of Supply Chain Management in the manufacturing Industry.	[L2][CO6]	[12M]
2	a	Distinguish between distribution logistics and supply chain management.	[L2][CO6]	[6M]
	b	List out various objectives of supply chain management.	[L1][CO6]	[6M]

3		Explicate the history of the supply chain management.	[L2][CO6]	[12M]
4		Describe the scope, merits and demerits of Supply Chain management?	[L2][CO6]	[12M]
5		How does the supply chain affect an organization?	[L1][CO6]	[12M]
6		Classify the methods of measuring performance in supply chain and explain it in detail.	[L4][CO6]	[12M]
7	a	List out the levels of Supply Chain Management and how they affect your business?	[L2][CO6]	[6M]
	b	Explain about the drivers that determine the performance of Supply Chain.	[L2][CO6]	[6M]
8	a	Briefly explain the frame work of structuring drivers in supply chain.	[L2][CO6]	[4M]
	b	Name the major participants in the supply chain and also describe the effect of them on supply chain.	[L1][CO6]	[8M]
9		How to Plan & Develop the Right Supply Chain Strategy?	[L1][CO6]	[12M]
10		Classify the supply chain models adopted in business and explain them in detail.	[L4][CO6]	[12M]

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