

SIDDHARTH INSTITUTE OF ENGINEERING & TECHNOLOGY:: PUTTUR
(AUTONOMOUS)

B.Tech. III Year I Semester Regular & Supplementary Examinations February-2024
INDUSTRIAL ENGINEERING AND MANAGEMENT

(Mechanical Engineering)

Time: 3 Hours

Max. Marks: 60

(Answer all Five Units 5 x 12 = 60 Marks)

UNIT-I

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|---|---|---|-----|----|----|
| 1 | a | Explain the Taylor's principles of scientific management. | CO1 | L1 | 6M |
| | b | Describe the Fayol's principles of management. | CO1 | L2 | 6M |

OR

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|---|---|--|-----|----|----|
| 2 | a | Construct an Organizational chart of your college and list out their Responsibilities. | CO1 | L3 | 6M |
| | b | Identify the important features of systems approach to management. | CO1 | L3 | 6M |

UNIT-II

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| 3 | What are the factors governing the plant location? Explain with any one specific industry. | CO2 | L2 | 12M |
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| 4 | What are the various data analyzing forms in plant layout? Elucidate them in detail with neat sketch. | CO2 | L5 | 12M |
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UNIT-III

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| 5 | Explain the steps involved in method study procedure. | CO3 | L2 | 12M |
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| 6 | a | Discuss about the SIMO chart with an example. | CO3 | L6 | 6M |
| | b | What are the benefits of Work Measurement | CO3 | L1 | 6M |

UNIT-IV

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|---|---|--|-----|----|----|
| 7 | a | Explain briefly the Consumers' opinion survey method of forecasting. | CO4 | L5 | 6M |
| | b | What is meant by Demand Analysis? | CO4 | L1 | 6M |

OR

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| 8 | Summarize the features of perfect and imperfect competition. | CO4 | L2 | 12M |
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UNIT-V

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| 9 | Explicate the history of the supply chain management. | CO5 | L2 | 12M |
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OR

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| 10 | How to Plan & Develop the Right Supply Chain Strategy? | CO5 | L1 | 12M |
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