

Reg. No:

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

B.Tech III Year I Semester Regular Examinations March-2023
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 Summarize the important characteristics of management. | CO1 | L2 | 6M |
| | b Explain the Taylor's principles of scientific management. | CO1 | L2 | 6M |

OR

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|---|---|-----|----|-----|
| 2 | Classify the organizations and write their merits and demerits. | CO2 | L4 | 12M |
|---|---|-----|----|-----|

UNIT-II

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|---|---|-----|----|-----|
| 3 | List out the merits and demerits of urban and suburban locations for a plant. | CO2 | L1 | 12M |
|---|---|-----|----|-----|

OR

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|---|--|-----|----|----|
| 4 | a Why the material handling systems are important in industries? | CO2 | L1 | 4M |
| | b List and Explain numerous factors to be considered for the selection of MHS. | CO2 | L1 | 8M |

UNIT-III

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|---|--|-----|----|-----|
| 5 | Illustrate various types of charts available for recording the data in detail. | CO3 | L2 | 12M |
|---|--|-----|----|-----|

OR

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|---|---|-----|----|----|
| 6 | a What are therblings? List out various symbols used and its usage in work measurement. | CO4 | L1 | 6M |
| | b List out the objectives of method study. | CO4 | L1 | 6M |

UNIT-IV

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|---|--|-----|----|----|
| 7 | a Explain briefly the Consumers' opinion survey method of forecasting. | CO5 | L5 | 8M |
| | b What is meant by Demand Analysis? | CO5 | L1 | 4M |

OR

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|---|--|-----|----|-----|
| 8 | Classify and explain the types of markets. | CO5 | L2 | 12M |
|---|--|-----|----|-----|

UNIT-V

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|---|---|-----|----|----|
| 9 | a List out various objectives of Supply Chain management. | CO6 | L1 | 6M |
| | b Distinguish between distribution logistics and Supply Chain management. | CO6 | L2 | 6M |

OR

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|----|--|-----|----|----|
| 10 | a List out the levels of Supply Chain Management and discuss how they affect the business? | CO6 | L2 | 6M |
| | b Explain about the drivers that determine the performance of Supply Chain. | CO6 | L2 | 6M |

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