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SIDDHARTH INSTITUTE OF ENGINEERING & TECHNOLOGY:: PUTTUR
(AUTONOMOUS)B.Tech III Year II Semester Regular Examinations July-2021
INDUSTRIAL ENGINEERING & MANAGEMENT
(Mechanical Engineering)

Time: 3 hours

Max. Marks: 60

PART-A

(Answer all the Questions 5 x 2 = 10 Marks)

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| 1 | a Compare Theory X and Theory Y. | L2 | 2M |
| | b Define Material Handling system. | L1 | 2M |
| | c What is time study? | L1 | 2M |
| | d Define Law of Demand. | L2 | 2M |
| | e Define Capital Budgeting. | L1 | 2M |

PART-B

(Answer all Five Units 5 x 10 = 50 Marks)

UNIT-I

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|---|---|----|----|
| 2 | a State and explain the Taylor's principles of scientific management. | L2 | 5M |
| | b State and explain the Fayol's principles of management. | L2 | 5M |

OR

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| 3 | Classify the organizations and write its merits and demerits. | L4 | 10M |
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UNIT-II

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| 4 | What are the factors governing the plant location. Explain with any one specific industry. | L1 | 10M |
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OR

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| 5 | Discuss in detail the basic requirements and procedure for CRAFT technique. | L6 | 10M |
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UNIT-III

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| 6 | State and explain the steps involved in method study procedure. | L1 | 10M |
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| 7 | a Discuss the SIMO chart with an example. | L6 | 5M |
| | b What is therblings? List the table with details. | L1 | 5M |

UNIT-IV

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| 8 | Explain briefly the following opinion survey methods of forecasting:
(i) Consumers' opinion survey (ii) Delphi method | L5 | 10M |
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OR

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| 9 | Classify and explain the pricing methods in detail. | L4 | 10M |
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UNIT-V

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| 10 | a Explain the need of working capital. | L2 | 5M |
| | b Explain the internal rate of return method. Write its advantages and disadvantages. | L5 | 5M |

OR

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| 11 | Define balance sheet and prepare a sample format for balance sheet with suitable example. | L5 | 10M |
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END