**Hall Ticket Number: 18ME505**

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| **III/IV B.Tech (Regular) DEGREE EXAMINATION** | | | |
| **January, 2022** | **Mechanical Engineering** | | |
| **Fifth Semester** | **INDUSTRIAL ENGINEERING & MANAGEMENT** | | |
| **Time:** Three Hours | | **Maximum:** 50 Marks | |
| *Answer Question No.1 compulsorily.* | | | (10X1 = 10 Marks) |
| *Answer ONE question from each unit.* | | | (4X10=40 Marks) |
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| 1. | a) | Define Industrial Engineering. | CO1 |  |
|  | b) | What is productivity? | CO1 |  |
|  | c) | State the benefits of BPR. | CO1 |  |
|  | d) | What is micro motion study? | CO2 |  |
|  | e) | What is MTM. | CO2 |  |
|  | f) | What do you understand from work sampling? | CO2 |  |
|  | g) | Define single ownership. | CO3 |  |
|  | h) | What is product layout? | CO3 |  |
|  | i) | Define management. | CO4 |  |
|  | j) | What are the objectives of HRM? | CO4 |  |
| **Unit -I** | | | | |
| 2. | a) | Explain about Total productivity. | CO1 | 5M |
|  | b) | Explain the development of industrial engineering. | CO1 | 5M |
| **(OR)** | | | | |
| 3. | a) | Write a brief notes on ‘Business process Reengineering’. | CO1 | 5M |
|  | b) | Define Productivity. What are the different kinds of productivity measures? | CO1 | 5M |
| **Unit -II** | | | | |
| 4. |  | State the steps in method study and time study with their objectives. | CO2 | 10M |
| **(OR)** | | | | |
| 5. | a) | Write a detail note on work sampling | CO2 | 5M |
|  | b) | What are the tools for recording information about method study? | CO2 | 5M |
| **Unit -III** | | | | |
| 6. | a) | How is Joint Stock company formed? State the advantages and disadvantages. | CO3 | 5M |
|  | b) | Explain different types of plant layout. | CO3 | 5M |
| (OR) | | | | |
| 7. |  | State the advantages and disadvantages of selecting the plant location in an urban and  rural area as a site for industry. | CO3 | 10M |
| **Unit -IV** | | | | |
| 8. | a) | Briefly explain organization structures with examples. | CO4 | 5M |
|  | b) | Define Human Resource Management. Explain the important functions of HRM. | CO4 | 5M |
| **(OR)** | | | | |
| 9. | a) | Discuss about the channels of distribution? | CO4 | 5M |
|  | b) | Discuss Herzberg Two factor theory and Douglas Mc-Gregory’s theory X and  theory Y. | CO4 | 5M |

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