



M.E DEGREE EXAMINATIONS: JUNE 2016

(Regulation 2015)

Second Semester.

INDUSTRIAL ENGINEERING

P15IETE02: Enterprise Resource Planning

COURSE OUTCOMES

CO1: Develop an overview of an ERP

CO2: Analyze the various business modules in an ERP package

CO3: Apply an ERP in industries.

CO4: Analyze the faster implementation methodologies and future direction in ERP.

CO5: Compare various case studies in an ERP in the field of manufacturing.

Time: Three Hours

Maximum Marks: 100

Answer all the Questions:-

PART A (10 x 1 = 10 Marks)

1. Online analytical processing can be defined in the five following words CO1 [K2]
 1. Analysis 2. Shared 3. Multidimensional 4. Fast 5. Information
 a) 3-4-5-1-2 b) 5-3-2-4-1
 c) 4-1-2-3-5 d) 2-1-4-5-3
2. MRP II stands for CO1 [K1]
 a) Material Requirement Planning b) Manufacturing Resource Planning
 c) Material Resource Planning d) Manufacturing Requirement Plan
3. The occurring of the overhead within the organization will be analyzed through CO2 [K2]
 a) Cost center accounting b) Product cost
 c) Asset accounting d) General ledger
4. Matching type item with multiple choice code CO2 [K2]

List I	List II
A. Shop floor control	i. Human resources
B. Payroll accounting	ii. Vendor evaluation
C. Equipment tracking	iii. Manufacturing

PART B (10 x 2 = 20 Marks)

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|---|-----|-------------------|
| 11. Interpret : Enterprise | CO1 | [K2] |
| 12. Discuss about Business process reengineering. | CO1 | [K2] |
| 13. Review about preventive maintenance control in plant maintenance. | CO2 | [K2] |
| 14. Express the functions to fulfill the quality management module. | CO2 | [K ₂] |
| 15. Recognize the skills needed to implement the ERP. | CO3 | [K2] |
| 16. Explain the role of consultants. | CO3 | [K ₂] |
| 17. Practice about project monitoring in two lines. | CO3 | [K ₂] |
| 18. Express the term market snapshot. | CO4 | [K ₂] |
| 19. Identify the possibilities of reduction in implementation time. | CO4 | [K2] |
| 20. Tell about Hindustan petroleum corporation limited, Mumbai. | CO5 | [K2] |

PART C (6 x 5 = 30 Marks)

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| 21. Illustrate the data mining process. | CO1 | [K3] |
| 22. Review the advantages of data warehouse. | CO1 | [K3] |
| 23. Relate the modules of financial components. | CO2 | [K3] |
| 24. Initiate the golden rules for successful project management. | CO3 | [K3] |
| 25. Generalize the faster implementation methodologies. | CO4 | [K3] |
| 26. Practice the SAP in Essar Steel. Garg. | CO5 | [K3] |

Answer any FOUR Questions

PART D (4 x 10 = 40 Marks)

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| 27. Demonstrate the different styles of OLAP in brief. | CO1 | [K3] |
| 28. Operationize about the manufacturing response needed to the customer. | CO2 | [K3] |
| 29. Utilize the different types of ERP project management and discuss. | CO3 | [K3] |

30. Interpret the following : CO4 [K3]
Business models and Bapis, Application platforms, Need based applications and Expenditures.

31. Demonstrate the EPICOR at SKF automotive bearing Co Ltd as a case study. CO5 [K3]
