



M.E DEGREE EXAMINATIONS: JUNE 2018

(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 a ERP in the field of manufacturing

Time: Three Hours

Maximum Marks: 100

Answer all the Questions:-

PART A (10 x 1 = 10 Marks)

1. Arrange in order the following words that could be used for OLAP CO1 [K₁]
1. Shared, 2. Analysis 3. Multidimensional 4. Fast 5. Information
- a) 4-2-1-3-5 b) 5-3-2-4-1
c) 3-4-5-1-2 d) 4-1-2-3-5
2. Select the statement which are all correct CO1 [K₁]
1. OLAP is used for multidimensional views of business data
2. OLTP solely relied on relational data base
3. OLAP can be used as programming tool
4. OLAP can be replaced with OLTP
- a) 1,3 b) 1,2
c) 1,4 d) 2,4
3. For collaborative engineering and product development the proper tool to be used is CO2 [K₂]
- a) SCM b) OLAP
c) PLM d) FMS

4. Matching type item with multiple choice code

CO2 [K₂]

List I		List II	
A. Quality management		i. materials management	
B. Vendor evaluation		ii. Plant maintenance	
C. Equipment tracking		iii. Finance	
D. Treasury module		iv. CIQ	
a)	iii), i), iv), ii)	b)	ii), iii), iv), i)
c)	ii), iii), i), iv)	d)	iv), i), ii), iii)

5. Assertion (A): Business planning and budgeting is coming under finance module of ERP. CO3 [K₂]

Reason (R): Finance management is a business function involved in effectively raising using funds.

- a) Both A and R are true and R is the correct explanation of A b) Both A and R are true and R is not the correct explanation of A
- c) A is true but R is false c) A is false but R is true

6. The concept serialization / lot control would be applicable in CO3 [K₂]

- a) High volume commercial business b) tooling
- c) Configuration management d) Defense services

7. Different phases of ERP implementation is CO4 [K₁]

1. Re Engineering, 2. Package evaluation, 3. Pre evaluation screening, 4- project planning phase, 5- Gap analysis

- a) 4-1-2-3-5 b) 3-2-4-5-1
- c) 3-4-5-1-2 d) 2-1-4-5-3

8. Assertion (A): Vendor is responsible for fixing any problem that the implementation team encounters. CO4 [K₁]

Reason (R): Consultants should supply the product and its documents as soon as the contract is signed.

- a) Both A and R are true and R is the correct explanation of A b) Both A and R are true and R is not the correct explanation of A
- c) A is true but R is false c) A is false but R is true

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| 28. Explain the concept snap shot in ERP. | CO4 | [K ₂] |
| 29. Characterize the web enabling market. | CO4 | [K ₂] |
| 30. State the procedure for conducting case study of an ERP. | CO5 | [K ₃] |

Answer any TWO Questions
PART D (2 x 10 = 20 Marks)

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|--|-----|-------------------|
| 31. Explain in detail about the module, sales and distribution. | CO2 | [K ₃] |
| 32. Summarize the faster implementation methodologies of ERP with suitable examples. | CO4 | [K ₃] |
| 33. Explain with a case study in implementing ERP in small scale industries. | CO5 | [K ₃] |
