KUMARAGURU
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M.TECH DEGREE EXAMINATIONS: APRIL / MAY 2023

(Regulation 2018)

Second Semester

APPAREL TECHNOLOGY

P18ATI2004: Apparel Enterprise Resource Management

COURSE OUTCOMES

CO1: Business processes common to most businesses-order processing, inventory management, procurement, etc.

CO2: Master data common to most businesses--customer, vendor, inventory, etc.

CO3: Process modelling-creating diagrams to depict the sequence of tasks completed in a business process.

CO4: How a business process often spans different functional areas of the business: accounting, marketing, material management, etc.

CO5: How enterprise systems, such as SAP, integrate business functional areas into one enterprise-wide information system.

CO6: The issues involved in implementing an ERP system.

Time: Three Hours   **Maximum Marks: 100**

Answer all the Questions: -

PART A (10 x 1 = 10 Marks)

1. What is at the heart of any ERP system?   CO5 [K$_1$]

    a) Information   b) Employees

    c) Customers   d) Database

2. Which of the following occurs when everyone involved in sourcing, producing, and delivering the company's product works with the same information?   CO4 [K$_2$]

    a) Eliminates redundancies   b) Cuts down wasted time

    c) Removes misinformation   d) All of the above

3. Match the following sets of topology categories and their examples. First Set: CO2 [K$_4$]
    1. Internal failure costs
    2. External failure costs
    3. Appraisal costs,
    4. Prevention costs
    Second Set:
    A. Costs of scrap.
    B. Design and development of new quality equipment
    C. Cost of inspecting upon arrival.
    D. Warranty claims.

a)	1A, 2D, 3C, 4B	b)	1C, 2B, 3D, 4A
c)	1C, 2D, 3A, 4B	d)	1C, 2A, 3B, 4D

4. Identify the subsystems of Plant Maintenance module of an ERP system: CO1 [K₅]
1. Component Tracking
2. Preventive Maintenance Control
3. Inventory Management
4. Cost Management

a)	1, 2 & 3	b)	2, 3 & 4
c)	1 & 2	d)	1, 3 & 4

5. An ideal interface for an EIS would be the one that is: CO3 [K₂]
1. Simple to use.
2. Highly flexible.
3. Provides consistent performance.
4. Reflects the executive's world.

a)	1, 2, & 3	b)	2, 3, & 4
c)	1, 2, 3, & 4	d)	1, 2, & 4

6. ETO means (Choose the best)   CO4 [K₁]
   1. Engineer-to-Order
   2. Engineer-to-Offer
   3. Enterprise-to-Order
   4. Enterprise-to-Offer

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

7. State whether the following are True/False.   CO6 [K₄]
   1. HRM defines enterprise planning for work and job roles with respect to specific language.
   2. HRM defines staff selection and decides various phases of the project according the policies of the company.
   3. HRM does not facilitate recruitment process.
   4. HRM deploys effective search engine to easily find and sort out the profiles that is filtered with respect to the company's criteria.

a)	1T, 2F, 3F, 4T	b)	1T, 2T, 3T, 4T
c)	1T, 2T, 3F, 4T	d)	1T, 2T, 3F, 4F

8. Identify the correct statement (s) about MIS.   CO5 [K₃]
1. A system that produce information products that support many of the day-to-day decision making needs of the management.
2. Also called information managing system.
3. A system that satisfies the needs of the top level management.
4. A system that operates at a departmental level.

a)	2 & 3	b)	1 & 4
c)	4	d)	1, 2 & 3

9. Identify the main components of PDM systems   CO4 [K₄]
   1. Data Management
   2. Classification of Components
   3. Product Structure
   4. Document relationships
   a)   1, 2 & 3   b)   1, 4 & 3

   c)   2 & 3   d)   4 & 3

10. As processes become more automated and efficient (Choose the best)   CO1 [K₃]
    1. It is best to treat ERP as an investment as well as a cost-cutting measure.
    2. It is not best to treat ERP as an investment as well as a cost-cutting measure.
    3. It is best to treat ERP as an disinvestment as well as a cost-cutting measure.
    4. It is best to treat ERP as an investment but not as a cost-cutting measure
    a)   1   b)   2

    c)   3   d)   4

PART B (10 x 2 = 20 Marks)

11.	What is business process re-engineering (BPR)?	CO1	[K₂]
12.	What are the Different phases in an ERP?	CO6	[K₁]
13.	What are the main 2 misconceptions about ERP?	CO6	[K₂]
14.	Define Make to Order and Make to stock.	CO1	[K₂]
15.	Write a note on Business Intelligence (BI)	CO2	[K₃]
16.	What is OLAP?	CO3	[K₂]
17.	State the finance modules in most ERP systems	CO4	[K₁]
18.	State the sub activities in pre-purchasing.	CO4	[K₂]
19.	What is Gap analysis?	CO6	[K₁]
20.	What do you mean by Global Access?	CO2	[K₂]

PART C (6 x 5 = 30 Marks)

21.	What are the Business modules present in an ERP package?	CO6	[K₂]
22.	What are the factors that are critical for the success of the ERP implementation?.	CO2	[K₃]
23.	What are the limitations of ERP?	CO2	[K₂]
24.	What are the factors affecting the post implementation process of ERP?	CO2	[K₂]
25.	State the major subsystems of manufacturing module.	CO4	[K₁]
26.	"Distribution Requirement Planning (DRP) is a logical extension of Material Requirements Planning (MRP)" - Discuss.	CO5	[K₄]

Answer any FOUR Questions
PART D (4 x 10 = 40 Marks)

27. Explain the benefits of CRM Module. CO5 [K2]

28. Discuss advantages-disadvantages of business-analytics. CO3 [K4]

29. Explain Product Life Cycle stages and state how it is helpful for marketers, also tell about its drawbacks, if any. CO3 [K3]

30. How Can ERP Optimize Inventory Management? Explain. CO4 [K4]

31. Enumerate the features of sales and distribution modules of ERP. CO5 [K3]

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