

Reg. No.

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B.E / B.TECH. DEGREE EXAMINATION, MAY 2023

Seventh Semester

ME18013 – ENTERPRISE RESOURCE PLANNING*(Mechanical Engineering)***(Regulation 2018 / Regulation 2018A)****TIME: 3 HOURS****MAX. MARKS: 100**

- CO 1** The Students will understand ERP concept, Business modelling, Business process and Mapping.
- CO 2** The students will apply ERP related technologies to information systems practiced in an organization.
- CO 3** The students will study the ERP modules like finance, sales and distribution, manufacturing and quality management
- CO 4** Students will demonstrate a working knowledge of how data and transactions are integrated in an ERP system to manage the sales order process, production process, and procurement process.
- CO 5** Students will develop the future directions of ERP implementation in new market, channels and E-business.

PART- A (10 x 2 = 20 Marks)

(Answer all Questions)

	CO	RBT LEVEL
1. What advantages does ERP give to industries?	1	2
2. How does an ERP module gets created?	1	2
3. Outline the need for enhancing cyber security systems in ERP.	2	2
4. Decision support system is a mandate for business operations. Why?	2	2
5. Name few associated terms related to JIT.	3	2
6. What does Data management refer to?	3	2
7. What is the role of ERP in billing and sales support?	4	2
8. How do you integrate sales and distribution module of ERP?	4	2
9. Explain the scope of development of new markets via ERP platform.	5	2
10. List down few recent ERP technologies that are commonly used.	5	2

PART- B (5 x 14 = 70 Marks)

	Marks	CO	RBT LEVEL
11. (a) Describe in detail the evolution of ERP systems and list the steps involved in creating ERP for small businesses.	(14)	1	3

(OR)

- (b) Discuss in detail the strategic measures to be taken by middle level management for successful implementation of ERP after it has been approved by top management. (14) 1 3
12. (a) Illustrate how data warehousing and data mining help supply chain partners in creating ERP for end-to-end usage by customers and companies. (14) 2 3
- (OR)**
- (b) Outline various stages of Product Lifecycle Management and the role of ERP in each stage with an example. (14) 2 3
13. (a) (i) How do you create a module for Shop floor control. (7) 3 3
- (ii) What are the basic functions of sales order processing in e-commerce. (7) 3 3
- (OR)**
- (b) Quality checks are very essential in industries. Elaborate on how serialization/lot control facilitates quality checks in industries. (14) 3 3
14. (a) Outline the list of steps involved in integrating sales and distribution modules in ERP for a tyre manufacturing company. (14) 4 3
- (OR)**
- (b) Illustrate how ERP module helps in controlling inventory for a vegetable shop. (14) 4 3
15. (a) Using appropriate examples, explain how the growth of ERP helps logistics companies to flourish in market by implementing latest technologies. (14) 5 3
- (OR)**
- (b) What does cloud & mobile ERP bring as latest development to service industries? List down the various ERP trends in service industry. (14) 5 3

PART- C (1 x 10 = 10 Marks)

(Q.No.16 is compulsory)

- | | | Marks | CO | RBT
LEVEL |
|-----|---|-------|----|--------------|
| 16. | Prepare a list of steps to be followed for creating an ERP platform for a company manufacturing toys for children aged 2-5. | (10) | 5 | 5 |
