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Total No. of Printed Pages: 1

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B. Tech. (CSE) (Semester – 8th)
ENTERPRISE RESOURCE PLANNING
Subject Code: BCSED1811
Paper ID: [18111148]

Time: 03 Hours

Maximum Marks: 60

Instruction for candidates:

1. Section A is compulsory. It consists of 10 parts of two marks each.
2. Section B consist of 5 questions of 5 marks each. The student has to attempt any 4 questions out of it.
3. Section C consist of 3 questions of 10 marks each. The student has to attempt any 2 questions.

Section – A

(2 marks each)

Q1. Attempt the following:

- a) Define ERP and briefly explain its significance in modern business environments.
- b) What is Business Intelligence (BI) and how does it support decision-making processes in organizations?
- c) Explain the concept of E-commerce and its impact on traditional business models.
- d) Define Business Process Reengineering (BPR) and discuss its role in ERP implementation.
- e) What is Data Warehousing and how does it differ from traditional databases?
- f) Define OLAP (Online Analytical Processing) and explain its importance in data analysis.
- g) What is CRM (Customer Relationship Management) and how does it contribute to improving customer satisfaction?
- h) Explain the concept of SCM (Supply Chain Management) and its significance in optimizing business operations.
- i) Define Product Lifecycle Management (PLM) and discuss its role in product development and management.
- j) Briefly explain the significance of ERP II in extending the capabilities of traditional ERP systems.

Section – B

(5 marks each)

- Q2. Discuss the challenges organizations commonly face during ERP implementation and propose strategies to address them.
- Q3. Explain the stages of the ERP implementation life cycle and discuss the importance of each stage in ensuring successful deployment.
- Q4. Compare and contrast different methodologies used for ERP implementation, highlighting their respective advantages and limitations.
- Q5. Describe the key factors to consider when selecting an ERP package for implementation in an organization.
- Q6. Discuss the roles and responsibilities of project teams, vendors, and consultants during ERP implementation projects.

Section – C

(10 marks each)

- Q7. Analyze the impact of ERP systems on various business modules such as finance, manufacturing, and human resources, providing examples to illustrate your points.
- Q8. Evaluate the role of enterprise application integration (EAI) in connecting disparate systems within an organization and discuss its importance in achieving process efficiency.
- Q9. Using SAP AG as a case study critically analyzes its ERP system, highlighting its features, advantages, and challenges faced by organizations implementing SAP ERP.