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SIDDHARTH INSTITUTE OF ENGINEERING & TECHNOLOGY:: PUTTUR
(AUTONOMOUS)**B.Tech II Year I Semester Supplementary Examinations August-2022****RELATIONAL DATABASE MANAGEMENT SYSTEM**

(Open Elective-I)

(Common to CE, AGE, ME & EEE)

Time: 3 hours

Max. Marks: 60

(Answer all Five Units 5 x 12 = 60 Marks)

UNIT-I

- 1 a Explain about various data models. L1 6M
b Draw the Architecture of Database. L1 6M

OR

- 2 a Explain about Database languages with examples. L1 6M
b List out the Disadvantages of DBMS. L3 6M

UNIT-II

- 3 a Define Join. Explain different types of joins. L1 6M
b Write about the different symbols used in ER diagrams. L2 6M

OR

- 4 a Write a short note on Weak Entities and give suitable example. L2 6M
b Discuss about the use of renaming operator. L4 6M

UNIT-III

- 5 Explain about the form of basic SQL query with an example. L1 12M

OR

- 6 Discuss about set comparison operators. L3 12M

UNIT-IV

- 7 Define normalization. List and Explain different normal forms with examples. L1 12M

OR

- 8 a Illustrate redundancy and the problems that it can cause. L4 6M
b Explain about properties of decompositions. L1 6M

UNIT-V

- 9 a Illustrate classification of storage structure. L4 6M
b Explain concurrency control with lock based protocols. L1 6M

OR

- 10 a Explain how recovery is done using undo logging and redo logging. L1 6M
b Which level of RAID is best? Why? L1 6M

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