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

(Common to CSE, CSIT)

Time: 3 hours

Max. Marks: 60

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

UNIT-I

- 1 a Briefly explain about Views of data. L1 6M
 b Explain about various data models. L2 6M

OR

- 2 Explain about ER model and Component of ER Diagram. L2 12M

UNIT-II

- 3 Write about logical database design (ER to Relational) with suitable examples. L3 12M

OR

- 4 a Explain the working of union, intersection and except operations. L2 6M
 b Give a examples of clauses SELECT with an example. L2 6M

UNIT-III

- 5 a Differentiate BCNF with 3rdnormal form. L4 6M
 b Explain about demoralization. L2 6M

OR

- 6 a Explain the following with suitable example: L3 6M
 (i) Non- Loss decomposition. (ii) Prime Attributes.
 b Illustrate redundancy and the problems that it can cause. L3 6M

UNIT-IV

- 7 a Define a Transaction? List the properties of transaction. L1 6M
 b Write briefly about serializability with example. L3 6M

OR

- 8 a Demonstrate Conflict Serializability. L3 6M
 b illustrate Concurrent execution of transaction with examples. L3 6M

UNIT-V

- 9 Explain ACID properties and illustrate them through examples. L3 12M

OR

- 10 a Explain different types of locks. L2 6M
 b Describe Times tamp based locking protocols. L2 6M

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