Q.P. Code: 16CS511

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Reg. No:					
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SIDDHARTH INSTITUTE OF ENGINEERING & TECHNOLOGY:: PUTTUR

(AUTONOMOUS)

B.Tech IV Year I Semester Supplementary Examinations Aug-2022 DATABASE MANAGEMENT SYSTEMS

(Open Elective) Time: 3 hours Max. Marks: 60 (Answer all Five Units $5 \times 12 = 60$ Marks) UNIT-I Explain about ER model and Component of ER Diagram. 12M OR 2 Explain about Views of data. **6M** Explain about various data models. **6M UNIT-II a** Evaluate project, join, select and product set operators with examples. 3 **6M b** Create a sub query to establish the WHERE, ANY, AS and ALL sub queries with **6M** example. OR Explain the structure of basic form of an SQL query with an example. **6M** Distinguish different types of aggregate operators with examples in SQL. **6M UNIT-III** 5 **a** Compare 3NF and BCNF with example. **6M** Compare Trivial and Non – Trivial Functional Dependencies with example. **6M** OR 6 a Discuss about 4NF/MVD with example. **6M** Illustrate the types of anomalies with example. **6M UNIT-IV** Identify the deadlock and 2-phase locking to ensure serializability in concurrency control **12M** with locking methods. OR 8 Define Schedule. What is a serial schedule. **6M** Discuss different phases of transaction. **6M UNIT-V** Describe about B+ Trees Dynamic Indexing. **12M** OR 10 Explain about Extendible hasing. **6M** Explain about linear hashing **6M**

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