R19

Reg. No:

SIDDHARTH INSTITUTE OF ENGINEERING & TECHNOLOGY:: PUTTUR
(AUTONOMOUS)
B.Tech II Year I Semester Supplementary Examinations December-2021
RELATIONAL DATABASE MANAGEMENT SYSTEM
(Common to CE,AGE,ME & EEE)
Open Elective-I

Time: 3 hours
Max. Marks: 60

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

UNIT-I

1	a	Explain about Views of data.	6M
	b	Define Database. Discuss about applications of Database Systems.	6M

OR

2	a	Define Data Abstraction and explain about levels of Abstraction.	6M
	b	Explain about Data independence.	6M

UNIT-II

3	Write about relational algebra? Discuss about different operators used in algebra.	12M

OR

4	Draw the ER diagram for Banking Applications and explain it.	12M

UNIT-III

5	a	Discuss about Nested queries with an example.	6M
	b	Write a short note on Correlated Nested queries with an example.	6M

OR

6	Explain about aggregate operators with an example.	12M

UNIT-IV

7	a	Write short notes on Lossless join Decomposition.	6M
	b	Write a short notes on Dependency preserving Decomposition.	6M

OR

8	a	Comparison between 1NF, 2NF, and 3NF.	6M
	b	Write short notes on 3NF with an example.	6M

UNIT-V

9	a	Explain about the deadlock prevention schemes.	6M
	b	Discuss how do you recover from failure.	6M

OR

10	Classify various levels of RAID with neat diagrams.	12M

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