Q.P. Code: 20CS0505											K2U					
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SIDDHARTH INSTITUTE OF ENGINEERING & TECHNOLOGY:: PUTTUR (AUTONOMOUS) B.Tech II Year I Semester Regular Examinations May-2022 DATABASE MANAGEMENT SYSTEMS (Common to CSE, CSIT & CSM)																
Time: 3 hoursMax. Marks:(Answer all Five Units $5 \times 12 = 60$ Marks)															s: 60	
1		UNIT-I Construct ER Diagram for Hospital managementsystem. List out the purpose of Database Systems.													L3 L2	6M 6M
2	a b	OR Write a short note on Database users and administrators. Create the DDL Commands – Table Creation, Altering the table structures, truncating a table and dropping a table.													L1 L2	6M 6M
3	a b	Categoriz Discuss al					constra		in SQI	- - •					L1 L2	6M 6M
4	a b	Create a sub query to establish the WHERE, ANY, AS and ALL sub queries with example.													L1 L2	6M 6M
5	a	UNIT-III Consider the schema: R (A, B, C, G, H, I) and the set of FD's $(A \rightarrow B, A \rightarrow C, CG \rightarrow H, CG \rightarrow I, B \rightarrow H)$. Prove the members of $F^+: A \rightarrow H$, $CG \rightarrow HI, AG \rightarrow I$ with axioms is true.													L1	6M
	b														L2	6M
6	a b	 Explain in detail about 1NF, 2NF, 3NF and BCNF with example. The relation schema Student_Performance (name, courseNo, rollNo,grade) has the following FDs: name,courseNo->grade rollNo,courseNo->grade name->rollNo rollNo->name What is the highest normal form of this relation scheme? 													L2 L2	6M 6M
7		Explain A Discuss v	-						s.	h exa	mples'	?			L2 L1	6M 6M
8		 Identify the deadlock and 2-phase locking to ensure serializability in concurrency control with locking methods. Define a Transaction? List the properties of transaction. 													L2 L1	6M 6M
9	a	Discuss a Explain ir	bout T	imes	tamp ł	based		UNI	T-V tocols						L2 L2	6M 6M
10	a b	Explain h What are					ices?	do log			do log	ging.			L1 L2	6M 6M

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