[21CIC43]

FOURTH SEMESTER B.Tech EXAMINATION, JUNE -2023 DATA BASE MANAGEMENT SYSTEMS

				DATA DADE HAMAGEMENT 515	LING	
Time:3 Hours				Maximum Marks:50		
Instructions: i.			l.	PART - A (Question 1-5) answer any 4 questions.		
			ii.	PART - B (Question 6-8) answer any	2 questions.	
			III.	PART - C (Question 9) is compulsory		
				PART – A	05X04=20	
1.	a.	Expla	in the cha	aracteristics of the Database Approach		05
2.	a.	Write an ER diagram for Company data base taking at least 4 entities.				05
3.	a.	a. Demonstrate the uses of the following commands Alter, Insert, Update and				05
4.	a.	Expla	in three t	ier architecture with its advantages.		05
5.	a.	Expla	Explain different types of JDBC Drivers.			
				PART - B	09X02=18	
6.	a.	gg				06
		i.		pairs of Employees SSNs and the projec	-	
		ii. List the employees names along with their department names				
		List the department names with their managers				
	b.	Explain views in sql with examples.				
7.	a.	Explain the informal design guidelines for Relational Schemas.				06
	b.	What is Normalization? Explain its necessity with example.				03
8.	a.	Explain 3NF in detail.				05
	b.	Compare 1 NF and 2NF.				04
				PART - C	01X12=12	
9.	a.					
				EE(Name, <u>SSN</u> , Address, Sex, Salary, D	-	
			DEPART	MENT(Dname, <u>Dnumber</u> , MgrSSN, Mgr_	_Startdate)	
		i.		e all employees in department 5 whose (inclusive)	salary is between 50,000 and	
		ii.	Retriev	e the name and address of all employee	s who work for the	
			'Resear	ch' department		
		iii.		h employee, retrieve the employee's na nediate supervisor	me, and the name of his or	
		iv.		e the salary of all employees working or	n the 'ProductX' project by	
				ne names of employees whose salary is	more than all the employees	

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