FDBMs

n %	Seat No.	la la		
	272 (42 798)	Mark	81975	
Curatio	Note: - A)All the questions are compulsory		10	
	sirach cuestion carries equal marks.			
	c)Figures (Diagrams /Charts) indicate full marks.			
Q.1	Attempt any Three of the following.	CALB	15M	
1.	Write a short note on DML (Data Manipulation	COLR		
	Language)	C(92.)		
) 	Solve the relational algebra Queries.	AND SECURE		
	i)find the information of employee name 'Rahul' from			
	employee table.	9		
	iiiSelect the records from employee table with department id=20 and sal>50000.			
	iii)find all employees having age <45 from employee			
	table.			
3	Explain characteristics of DBMS.	CO1/U		
4.	Explain Types of keys in DBMS.	COLU		
5.	Explain Data model.	COM		
6.	Explain various operators in relational algebra.	CO1/U		
			15M	
Q.2	Attempt any Three of the following:	CO1/R/U		
1.	What is strong entity and weak entity? Explain with			
2.	example. Write a short note on Specialization.	CQ1/R		
3.	Construct an ER diagram for a car insurance company	C01/A		
.,,	whose customers own one or more cars each. Each car			
	has associated with it zero to any number of recorded			
	accidents.	(C) 1 (D)		
4.	Write a short note on Sub class and Superclass.	COLÆ		
5.	Explain E-R diagram & its components.	CO1/U		
6.	Write a short note on Relationships in DBMS.	0,0170		
Q.3	Attempt any Three of the following:		15M	
Q.3 L	Define Normalization and explain any two normalization	CO1/R/U		
1,	form with example.			
2.	Write a short note on Boyce Codd Normal Form(BCNF).	CO1/R		
3.	Define functional Dependencies and their types.	COLK		
4.	Describe decornpostion. Explain desirable properties of	CO1/R		
	decomposition.	don		
5.	Explain the functional Dependencies properties.	COT/R		
6.	Short note on keys and attributes.	COUN		
0.4	the following		15M	
Q4, 1,	Attempt any Three of the following. What do mean by index? Explain with example.	COVRAU		
20	Write a short note on Hashing techniques.	CO1/U		
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		(12)	
3-	Explain tables & their syntax and example.	(注) 果	
4.	Write advantages of views	₹GT R	
5.	What are triggers? Give an example	TOLR	
6.	What are different file organization?		
	e it fill the		1534
0.5	Attempt any Three of the following.	(1)3 K	
1.	Write a short note on Serializability.	(*(±3 R	
2.	Write a short note on commit and rollback.	CO3/U	
3.	Write fundamental properties of Transaction.	CO3/U	- 4
4.	Define Transaction and Explain Transaction states.	CO3/R	
5.	Write a Short note on shadow paging.	CO3/R	
6.	What is deadlock? Explain how dead lock detection and	. 03.70	
	prevention is done.		
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