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BCA/M21 1896

RELATIONAL DATABASE MANAGEMENT SYSTEM

RELATIONAL DATABASE MANAGEMENT STSTEM				
Paper–BCA-244				
Time	e allov	owed: 3 Hours Maximum	Marks: 80	
Note: Attempt five questions in all, selecting one question from each unit. Question No. 1 is compulsory. All questions carry equal marks.				
		Compulsory Question		
1.	(i)	Write short note on Selection Operation in Relational Alg	ebra. 4	
	(ii)	Write short note on Functional Dependencies and Full Dependencies.	ly Functional 4	
	(iii)	Explain various Data Types in SQL with examples.	4	
	(iv)	Write short note on PL/SQL Architecture.	4	
		UNIT-I		
2.	(i)	Explain the 12 Codd's rules in RDBMS?	8	
	(ii)	Define Relational Calculus. Explain various types of Calculus.	of Relational 8	
3.	Defin	fine Relational Algebra. Explain the Projection, Join a	and Division	
	Oper	erations with suitable examples.	16	
		UNIT-II		
4.	What	at do you mean by Anomalies? Explain the various update	anomalies in	
	RDB	BMS along with suitable examples.	16	
5.	(i)	olain the following normal forms along with suitable example 1 NF (ii) 2 NF (iv) BCNF.	les: 16	
	(111)	UNIT-III		
6.		plain various DML and DCL Commands in SQL alon pose, syntax and examples.	g with their	
7.	Elabo	borate on Aggregate Functions, Views and Nested Queries table examples.		
		UNIT-IV		
8.	Expla	plain the various Control Structures in PL/SQL along with t	their purpose,	

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syntax and examples.

- 9. (i) What is the purpose of Triggers in PL/SQL. Elaborate on different types of Triggers. Give suitable examples.
 - (ii) What is the purpose of Cursors in PL/SQL. Elaborate on different types of Cursors. Give suitable examples.