

Q.P. Code: 581702

		(3 Hours)		[Total Marks: 80
N.	В.	.: (1) Question No.1 is Compulsory.		
		(2) Attempt any 3 questions out of the re	est	
		(3) Figure to the right indicate full marks		
		(4) All question carry equal marks.		
l. a	1)	What are advantages and disadvantage oc	Distributed DBMS	5
ł)	What are the features of DDBMS?	, 6	5
C	:)	Explain the basic Timestamp Ordering Al	gorithm.	5
C	1)	What are the objectives of Distributed Qu	iery Processing?	5
2 a	1)	What is horizontal and vertical fragm	entation? What are	the types of 10
		horizontal fragmentation. Perform hor relation as given below. Also give the correctness criteria for it.	izontal fragmentatio	n for student
		The second secon	Course Norma Course	Face warn
ł	0)	Student (Studentrollno., StudentName, What are the various kinds of transparent Explain each with the help of an example.	cies in distributed data	The state of the s
3 8	1)	What are the various concurrency control Concurrency Control strategies in detail	(A)	re Lock based 10
ł)		ention to Distribute	
		Explain one scheme of Distributed dead	nock Detection and r	Recovery.
4 8	a)	A banking database should contain the of the types of accounts customer is main its full profile information along with h	ntatining. Customer i	nformation is
		Card no. included and account informat (Saving, fixed, demat, recuring, current	ion should include ty	pe of account
	1	transactions details.		
	-	i) Write the DTD rules for the abov	e XML documents.	
1		ii) Create an XML schema for the al		
1	0)		us database. Give th	e architecture 10

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5	a)	What problems can occur in a distributed system due to the failure of link? What are the ways by which recovery can take place?	10
	b)	Explain the phases of query processing in distributed database.	1(
6	Ans	swer any two:	20
	a)	Bond Energy Algorithm	
	b)	Design issues of Distributed Database	
	c)	3PC	
	d)	Transaction management model for distributed System.	