Total No. of Questions : 8]	^	SEAT No. :
PD-4280		[Total No. of Pages : 2
	[6403]-77	

T.E. (Electronics / Electronics & Telecomunication Engineering) DATA BASE MANAGEMENT (2019 Pattern) (Semester - V) (304183)

(2019 Pattern) (Semester - V) (304183)			
<i>Time</i> : 2 ¹ /	[Max. Marks: 70		
Instructio	ns to the capdidates:		
1)	Solve Q.1 or Q.2, Q.3 or Q.4, Q.5 or Q.6, Q.7 or Q.8.		
2)	Neat Diagram must be drawn wherever necessary.		
3)	Assume Suitable data if necessary.		
<i>4</i>)	Neat Diagram must be drawn wherever necessary. Assume Suitable data if necessary. Figure to the right indicates full marks.		
Q1) a)	Explain the use of constraints in SQL. List and explain any three constraints		
	with example. [7]		
b)	What are different types of joins in SQL? Explain any one with suitable		
	example. [6]		
c)	Explain with example any two STRING functions used in SQL. [5]		
	QR		
Q2) a)	What are some common clauses used with SELECT query in SQL?		
	Explain any two with example. [7]		
b)	What is Cursor? Explain Implicit and Explicit cursor in PL/SQL with suitable example. [6]		
c)	Explain the use of TRUNCATE, DELETE and DROP statements in SQL?		
	Explain any one with example. [5]		
	00, 09.		
Q3) a)	Explain briefly different states of transaction with a neat state transition		
	diagram. [6]		
b)	Define transaction. State and explain in brief the ACID properties of a		
	transaction? [5]		
c)	When deadlock occurs? How to prevent them? How to recover if dead		
	lock occurs. [6]		

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		OR ^	
Q4)	a)	Explain the term i) Conflict Serializability ii) View Serializability	[6]
	b)	What is Concurrent execution of transaction? Explain any two concurrent	ncy
		problems occurs during Concurrent execution of transaction w	vith
		examples?	[5]
	c)	Explain Commit and Rollback operations of Transactions.	[6]
Q 5)	a)	What are performance parameters for parallel database?	[6]
	b)	Explain virtualization on Multicore processors with neat schema	atic
		diagram.	[6]
	c)	What is Parallelism? Explain Inter query parallelism. OR	[6]
Q6)	a)	List the parallel database architectures and explain any of	one
		architecture.	[6]
	b)	Explain Oracle Database Architecture.	[6]
	c)	Explain client server architecture with suitable example.	[5]
Q 7)	a)	Explain Homogeneous and Heterogeneous Distributed Databases.	[6]
	b) \		[6]
	c)	What is distributed transaction? Explain failure modes of distribu	ited
		transaction.	[6]
Q 8)	a)	What is necessity of distributed database management system? What	are
		the Factors Encouraging DDBMS.	[6]
	b)	Explain two phase commit protocol in distributed database.	[6]
	c)	Draw and explain client-server architecture for DDBMS.	[6]
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