B.Tech. - VIEP - COMPUTER SCIENCE AND **ENGINEERING (BTCSVI)**

00623

Term-End Examination

June, 2018

BICSE-007: DISTRIBUTED DATABASE

Tir	ne : 3	hours Maximum Marks .	Maximum Marks : 70		
Note: Answer any seven questions. All quest equal marks.			tions carry		
1.	What are the two types of fragments? Explain through examples. What are the rules to be followed when defining fragments? Discuss.				
2.	(a)	What are the issues related to query processing in a distributed database management system? Discuss.	5		
	(b)	What are the basic objectives of distributed concurrency control mechanism? Discuss.	5		
3.	tran	at are the different levels of distribution asparency which can be provided by DDBMS			
	for u	updating applications? Discuss.	10		

4.	(a)	Briefly discuss some of the issues related to distributed recovery.	5
	(b)	Discus the following terms:	5
		(i) Federated DBMS	
		(ii) Multidatabase system	
5.	(a)	Why is concurrency control needed ? Explain.	4
	(b)	What is a time stamp? How does a system generate time stamps?	6
6.	(a)	What is 2-phase locking protocol? How does it guarantee serializability?	5
	(b)	Define the concept of a schedule and serializable schedule.	5
7.	(a)	With the help of an example, explain when it is useful to have replication or fragmentation of data.	5
	(b)	Discuss the naming problem in DDBMS in brief.	5
8.		t are checkpoints in DDBMS? How are kpoints used for recovery in DDBMS?	10