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BICSE-007

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

Term-End Examination

00293

December, 2018

BICSE-007: DISTRIBUTED DATABASE

Time: 3 hours		hours Maximum Marks	Maximum Marks: 70	
Note: Answer any seven questions. All questions car equal marks.			arry	
1.	(a)	Discuss the relative advantages of centralized and distributed databases.	5	
	(b)	Explain the difference between file server and client server architecture.	5	
2.	(a)	Explain the objective of query process optimization.	5	
	(b)	Discuss three-phase commit protocol in detail.	5	
3.	(a)	Explain the types of failure in distributed systems.	Ē	
	(b)	Describe the hill-climbing method of query optimization with an example.	É	
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4.	(a)	Describe the benefits and drawbacks of	٠
		pipelined parallelism.	5
	(b)	, 1	
		databases.	5
5.	(a)	Why do distributed deadlocks occur ?	
		Explain with the help of suitable example.	5
	(b)	Explain Distributed Cost Model with an	-
		example.	5
6.	Disc	cuss advanced transaction models suitable for	
		erent kinds of distributed DBMS.	10
7.	Desc	cribe buffer architecture and buffer	
	man	agement schemes.	10
8.	_	ain the following with the help of	
	exan	mples: $3+3+4=$	=10
	(a)	Horizontal fragmentation	
	(b)	Vertical fragmentation	
	(c)	Mixed fragmentation	
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9.		t is a lock? Discuss granularity in locks.	
		cribe the different types of locks used in	
		urrency control along with their	
	comp	patibilities.	10