B.C.A. (PART—III) (Semester-VI) Examination ADVANCE DATABASE MANAGEMENT SYSTEM Paper—6ST5

Tin	пе—Т	Three Hours] [Maximum Marks-	–6 0		
	N.F	3.:—(1) All questions are compulsory.(2) Illustrate your answers with the help neat diagrams. Wherever necessary.	o of		
1.	(a)	Explain the physical database design concepts.	6		
	(b)	What is Normalization? Explain types of normalization detail.	tion 6		
OR					
2.	(a)	Explain: (i) Database Security (ii) DBMS Benchmarking.	6		
	(b)	Explain database file organization concept in det	ail. 6		
3.	(a)	What are the different specialized locking technique Explain in detail.	s ?		
	(b)	Explain the following: (i) Serializability (ii) Crash Recovery.	6		
OR .					
4.	(a)	Explain Concurrency control transactions and its scheduling techniques.	6		
	(b)	What is a log? Explain its features.	6		
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5.	(a)	What are the differentiating features of parallel and distributed database? Explain.	d ;
	(1.)	•	5
	(b)	Explain -	
		(i) Distributed query processing(ii) Catalog Management.	
		OR	
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6.	(a)	Explain the architecture of parallel database system	5
	(b)	How distributed concurrency control system works explain in detail.	?
7	(~)	What is OODBMS, State & explain its advantage	S
7.	(a)	and disadvantages?	6 °
			6
	(b)	Explain.	9
		(i) Inheritance	
		(ii) Query Optimization	
		OR .	
8.	(a)	State & Explain storage and access methods in ORDBMS.	6
	(b)	Explain the concepts of object database system.	6
9.	(a)	What is datawarehousing? Explain its environmen	nt. 6
	(b)	Explain:	6
	(0)	(i) DSS	
		(ii) OLTP	
		OR	
10). (a)	What is metadata management? Explain in detail	. 6
	(b)	What is data mining? State is explain its applicati areas.	on 6
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