Master of Computer Application (MCA-II) Third Semester (Old) MCA231 - Distributed Database Paper - I

	Pages : ne : Th	1 nree Hour	rs * 1 6 2 7 *	GUG/W/18/2126 Max. Marks : 80	
	Note	es: 1. 2. 3.	All questions are compulsory and carry equal marks. Draw neat and labelled diagram wherever necessary. Avoid vague answers and write answers relevant and specific to qu	ific to question only.	
1.	Eith	Either:-			
	a)	Discuss	s in detail the problem area in DDBMS environment.	8	
	b)	Explain	n in detail Layer of transparency.	8	
			OR		
	c)		DDBMS? Explain distributed database system in detail.	8	
	d)	How de	o you explain the improved performance of DDBMS?	8	
2.	Eith	er:-			
	a)		s in brief architecture model for distributed DBMS.	8	
	b)	Explair	n alternatives design strategies in brief.	8	
		-	OR		
	c)	Explair	n partioning algorithm in detail.	8	
	d)	Explair	n different global directory issues.	8	
3.	Either:-				
	a)		n in brief layer of Query processing.	8	
	u) b)	-	the Query processing system with example.	8	
	0)	215005	OR	0	
	c)	What is	s objective of Query processing? Explain in brief.	8	
	d)		n in detail the complexity of Relation algebra operation.	8	
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4.	Eith			0	
	a)	-	n in detail classification of concurrency control algorithm.	8	
	b)	Explain	n the properties of transaction in detail. OR	8	
	c)	What is	s mean by transaction model? Explain transaction model with examp	le. 8	
	d)		s serializability theory? Explain.	8	
	u)	vv nat n		0	
5.		Solve a	Il the questions.		
	a)	Why di	istributed database in necessary? Explain.	4	
	b)	Explain	n in short allocation model.	4	
	c)	What a	re distributed Execution strategies? Explain.	4	
	d)	What is	s work flows? Explain.	4	
