B.Tech. SEM -VI Info. Tech. 2014 Course (CBCS): SUMMER - 2019 SUBJECT: ADVANCED DATABASE MANAGEMENT SYSTEMS

Day		Friday	Time: _02.30 PM TO 05.30 PM	
Date		.4/05/2019 S-2019-2749	Max. marks : 60	
N. B.				
	1)	All questions are COMPULSORY.		
	2)	Figures to the right indicate FULL marks.		
	3)	Draw neat and labeled diagram WHEREVER necessary.		
	4)	Assume suitable data, if necessary.		
Q. 1	What is ODMG? Explain the object model of ODMG in detail. (1			
		OR		
		Elaborate the process of mapping and codatabase schema.	onversion of EER schema to an object (10)	
Q. 2	What is I/O parallelism? How does partitioning help parallelism? Explain skew with reference to I/O parallelism.		artitioning help parallelism? Explain (10)	
		OR		
		List and explain prominent architectural models for parallel databases. What are the performance evaluation parameters used for the same.		
Q. 3		State the need for transforming relational expressions. State any 8 of the equivalence rules used in these transformations.		
	OR			
		How are parameters of query evaluation measured? Explain in detail. (10)		
Q. 4		Explain data modeling with reference Explain the types of data modeling used	` ,	
	OR			
		State and explain the various operations	and issues associated with data marts. (10)	
Q. 5		What are association rules? How are the	y formulated and used? (10)	
		What is a data warehouse? List and explain components of data warehouse. (10)		
Q. 6		What is a TP-monitor? Draw and explain OR	a architecture of a TP-monitor. (10)	
	What are mobile databases? How are they formulated and used? (10)			
		(10)		

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