GUJARAT TECHNOLOGICAL UNIVERSITY BE - SEMESTER-VII(OLD) • EXAMINATION – WINTER 2016

Subject Code: 171602Date: 25/11/2016Subject Name: Distributed Database Application & SystemTime: 10:30 AM to 01:00 PMInstructions:			
	2.	Attempt all questions. Make suitable assumptions wherever necessary. Figures to the right indicate full marks.	
Q.1	(a)		07
	(b)	design distributed database with fragmentation and allocation strategy. List and briefly explain transparency for DDBS environment.	07
Q.2	(a)	•	07
	(b)	Explain top-down design process in detail. OR	07
	(b)	-	07
Q.3	(a)	Explain Vertical fragmentation with example.	07
	(b)	Explain views in centralized DBMSs with examples. OR	07
Q.3	(a)		07
	(b)	Explain centralized semantic integrity control with example.	07
Q.4	(a)		07
	(b)	Describe the relative advantage and disadvantage of distributed DBMs. OR	07
Q.4	(a)		07
	(b)	What do you mean by normalization ? Explain any two with example.	07
Q.5	(a)	Explain distributed cost model with example.	07
	(b)	Briefly describe the characterization of query processors. OR	07
Q.5	(a)		07
	(b)	Define a transaction. Discuss the AICD properties of transaction in the context of DDBs.	07
