Seat No.:	Enrolment No.

GUJARAT TECHNOLOGICAL UNIVERSITY

BE - SEMESTER-VII EXAMINATION - WINTER 2015

Subject Code: 173202			Date:16/12/2015	
Subject Name: Advance Computing Time: 10:30am to 1:00pm Instructions:		0:30am to 1:00pm Total Marks:	Total Marks: 70	
	1. 2. 3.			
Q.1	(a) (b)	Explain the various types of Cloud computing. What is Distributed System? Explain the Advantage and disadvantages of distributed system.	07 07	
Q.2	(a) (b)	List the different types of transparency associated with a Distributed system. Explain each detail. What is meaning of memory latency? How memory latency can be improved by cache?	07 07	
		OR		
	(b)	Define a spread spectrum. What are the various ways of implementing it?	07	
Q.3	(a)	Explain the role of RMS (Resource Management and Scheduling) technique in Resource scheduling in Cluster computing.	07	
	(b)	Define Grid computing. Explain application of Grid computing in detail. OR	07	
Q.3	(a) (b)	Explain I-Way project in detail. What is Cluster middleware? Explain design goal of middleware in Cluster computing.	07 07	
Q.4	(a) (b)	Explain pros and cons of cloud computing. Discuss where to use cloud computing and where not to be use cloud computing. What is significance of Paas? Explain the role of Google's App engine platform	07 07	
		in Paas.		
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Q.4	(a) (b)	Draw and Explain Layers of Grid Architecture in detail. Explain FLS algorithm in detail and explain resource location study.	07 07	
Q.5	(a) (b)	Explain the Superscalar execution with suitable example. Explain Berkeley Now Cluster in detail.	07 07	
Q.5	(a) (b)	OR Discuss about workload in Cloud. Explain the important parameters for the protection of that data	07 07	
