Seat No.:	Enrolment No.

GUJARAT TECHNOLOGICAL UNIVERSITY

BE SEMESTER-7th EXAMINATION - SUMMER 2015

Subject Code: 173202 Subject Name: Advance Computing Time: 02.30PM-05.00PM Instructions:			Date: 04/05/2015 Total Marks: 70	
		2.30PM-05.00PM Total Marks:		
	2.	Attempt all questions. Make suitable assumptions wherever necessary. Figures to the right indicate full marks.		
Q.1	(a)	Explain the various types of Cloud computing.	07	
	(b)	List the different types of transparency associated with a Distributed system. Explain each detail.	07	
Q.2	(a) (b)	Explain Cluster classification in detail. Define a spread spectrum. What are the various ways of implementing it? OR	07 07	
	(b)	What is meaning of memory latency? How memory latency can be improved by cache?	07	
Q.3	(a)	What is Distributed System? Explain the Advantage and disadvantages of distributed system.	07	
	(b)	Explain FLS algorithm in detail and explain resource location study. OR	07	
Q.3	(a) (b)	Discuss briefly the various issues related to Distributed operating system. Explain various parallel computer architecture in detail.	07 07	
Q.4	(a)	Explain the role of RMS (Resource Management and Scheduling) technique in Resource scheduling in Cluster computing.	07	
	(b)	Explain Berkeley Now Cluster in detail. OR	07	
Q.4	(a)	Explain in detail Grid computing architecture with diagram and components in detail.	07	
	(b)	Explain I-Way project in detail.	07	
Q.5	(a) (b)	Define Grid computing .Discuss the various application of Grid. What is Cluster middleware? Explain design goal of middleware in Cluster computing.	07 07	
		OR		
Q.5	(a) (b)	Discuss about workload in Cloud. What is significance of Paas? Explain the role of Google's App engine platform in Paas.	07 07	
