GUJARAT TECHNOLOGICAL UNIVERSITY
BE - SEMESTER–VII • EXAMINATION – WINTER 2013

Subject Code: 173202   **Date: 28-11-2013**

Subject Name: Advance Computing

Time: 10.30 am - 01.00 pm   **Total Marks: 70**

Instructions:
1. **Attempt all questions.**
2. **Make suitable assumptions wherever necessary.**
3. **Figures to the right indicate full marks.**

Q.1	**(a)**	Explain Cluster classification in detail.	**07**
	(b)	What is Cloud computing? Explain the Cloud model in detail.	**07**
Q.2	**(a)**	Explain pros and cons of cloud computing. Discuss where to use cloud computing and where not to be use cloud computing.	**07**
	(b)	List the different types of transparency associated with a Distributed system. Explain each detail.	**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.	**07**

OR

Q.3	**(a)**	Explain I-Way project in detail.	**07**
	(b)	Explain Berkeley Now Cluster.	**07**
Q.4	**(a)**	Explain the various types of Cloud computing.	**07**
	(b)	What is significance of Paas? Explain the role of Google's App engine platform in Paas.	**07**

OR

Q.4	**(a)**	Draw and Explain Layers of Grid Architecture in detail.	**07**
	(b)	Explain FLS algorithm in detail and explain resource location study.	**07**
Q.5	**(a)**	Explain the Superscalar execution with suitable example.	**07**
	(b)	What is Cluster middleware? Explain design goal of middleware in Cluster computing	**07**

OR

Q.5	**(a)**	Discuss about workload in Cloud.	**07**
	(b)	Explain the important parameters for the protection of that data	**07**

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