Seat No.: _____ Enrolment No._____

GUJARAT TECHNOLOGICAL UNIVERSITY

M. E. - SEMESTER – II • EXAMINATION – WINTER • 2013

Subject code: 1722306 Date: 02-01-2014

Subject Name: Cloud and Grid 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)**	Discuss six key properties of cloud computing from google's perspective.	**07**
	(b)	What is grid computing? Explain components of grid and grid Architecture.	**07**
Q.2	**(a)**	Explain significant barriers to the widespread adoption of cloud computing.	**07**
	(b)	Explain various grid Computing environments and its features.	**07**
		OR	
	(b)	Discuss How Cloud computing works in detail with its architecture.	**07**
Q.3	**(a)**	Discuss cloud service offering from Amazon, Google App Engine and Salesforce.com.	**07**
	(b)	Discuss SETI@Home project and explain how data distribution is done in it.	**07**
		OR	
Q.3	**(a)**	How Virtual company can be setup using cloud computing ? Give Example and explain.	**07**
	(b)	Explain Grid Programming Models.	**07**
Q.4	**(a)**	What is Cloud Storage? Explain benefits and risk of cloud storage.	**07**
	(b)	Discuss features of event management application in cloud computing . Explain "**Cvent**" event managment offerings.	**07**
		OR	
Q.4	**(a)**	Write a short note on Sun Grid Engine explaining its architecture	**07**
	(b)	Explain pros and cons of cloud computing.	**07**
Q.5	**(a)**	What is CRM ? Explain Salesforce.com's CRM offering.	**07**
	(b)	Discuss types of Cloud service development with examples.	**07**
		OR	
Q.5	**(a)**	Write a short note on Grid Resource Management and Scheduling.	**07**
	(b)	Discuss about security mechanism in Grid computing Environment.	**07**

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