Seat No.: _____ Enrolment No._____

GUJARAT TECHNOLOGICAL UNIVERSITY

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

Subject code: 1722306 **Date: 05-06-2013**

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)**	What is Grid computing? What are various types of grids? Give the benefits and limitations of grid computing.	**07**
	(b)	Discuss the general architecture for the grid computing.	**07**
Q.2	**(a)**	What is importance of middleware in building grid computing environment? Give an example of such middleware with its features.	**07**
	(b)	What is cloud computing? What it is not? Give the major characteristics of the cloud computing.	**07**
		OR	
	(b)	Give the architecture of cloud computing and discuss about the cloud services.	**07**
Q.3	**(a)**	Discuss the five major benefits of the cloud computing and provide the two major disadvantages of it with reasons.	**07**
	(b)	Discuss about collaborating on : schedules, contact lists, event schedules and management.	**07**
		OR	
Q.3	**(a)**	What is Software as a Service? Discuss about the services and tools offered by different companies for it.	**07**
	(b)	Discuss the use of cloud computing for corporations.	**07**
Q.4	**(a)**	Discuss the Google calendar as cloud service in depth.	**07**
	(b)	Discuss about collaboration on databases with at least two examples.	**07**
		OR	
Q.4	**(a)**	Justify that event management is suitable as an application on cloud. Discuss the event management application offered by Conference.com.	**07**
	(b)	Discuss about collaboration on project management with at least two examples.	**07**
Q.5	**(a)**	Discuss an application suitable for grid computing.	**07**
	(b)	Explain the issues and solution of grid security.	**07**
		OR	
Q.5	**(a)**	Discuss the scheduling issues in the grid computing.	**07**
	(b)	Discuss regarding the Sun grid engine.	**07**

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