Seat No.:	Enrolment No.
Jeat 110	Linoinient 140

## **GUJARAT TECHNOLOGICAL UNIVERSITY**

ME - SEMESTER- II (Old course)• REMEDIAL EXAMINATION – SUMMER 2015 Subject Code: 1722306 Date:15/05/2015

Subject Name: Clo	ud and	Grid (	Computing
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Time: 02:30 pm to 5:00 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		<ol> <li>Answer the following questions.</li> <li>What is virtual community in cloud?</li> <li>How Grid computing supports parallel CPU activity? Give an example.</li> <li>Write in brief: SETI Grid Project.</li> <li>How cloud computing helps to create centralized E mail communication?</li> <li>How cloud computing helps to collaborate on contact list?</li> </ol>	02 03 03 03
Q.2	(a)	List various Cloud Services. Explain Cloud Service developments for PaaS & IaaS with a suitable example.	07
	(b)	Discuss Cloud Architecture and Cloud Deployment models in detail.  OR	07
	(b)	How Sun Grid Engine is implemented and Write a note on its functionalities in detail.	07
Q.3	(a)	Discuss Grid Meta models with their functions and discuss any two meta models in detail.	07
	(b)	Write Cloud Collaboration in Word processor using benefits, types of users w.r.to Google Docs.	07
Q.3	(a) (b)	OR What are features, pros and cons of Cloud Computing? Discuss Cloud Storage based on its fundamentals, users, risks and service developments.	07 07
Q.4	(a)	What are the main desirable features of Grid Application software? Explain	07
	(b)	their working also.  Discuss implementation steps of application like Google calendar and features provided by it. Compare it with Yahoo calendar.  OR	07
Q.4	(a)	What is the significance of Resource balancing in Grid Computing Environment? How is it implemented? Discuss it with a suitable example.	07
	(b)	What is contact management? Discuss CRM application implementation with a suitable example.	07
Q.5	(a)	Answer the following questions.  1. Write a note on õWho should not be using cloud computing?ö  2. How are Cloud and Semantic web related?	05 02
	<b>(b)</b>	<ol> <li>Answer the following questions.</li> <li>Discuss implementation of all types of Collaborating on various Schedules.</li> <li>Discuss 3<sup>rd</sup> generation Grid Technology.</li> </ol>	04 03

Q.5	(a)	Answer the following questions.				
		1. What are performance monitoring issues in Grid Computing?				
		2. Describe various applications supported on Grid platform.				
	<b>(b)</b>	Answer the following questions.				
		1. Discuss Cloud collaborating on photo editing applications with their features.	05			
		2. What are Cloud based Webtops?	02			

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