Seat No.: _____ Enrolment No._____

GUJARAT TECHNOLOGICAL UNIVERSITY

ME - SEMESTER– I (New course)• REMEDIAL EXAMINATION – SUMMER 2015

Subject Code: 3715108 **Date:18/05/2015**

Subject Name: Cloud Computing

Time: 10:30 am to 1:00 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)**	Expalin various Network Topologies with its advantages and disadvantages.	**07**
	(b)	What is Virtualization? Explain different types of virtualization.	**07**
Q.2	**(a)**	Explain Platform as a service for cloud environment with example	**07**
	(b)	Write short note on VMwareôs vSphere. Draw its architecture.	**07**
		OR	
	(b)	What is Routing ? Explain different routing techniques in brief.	**07**
Q.3	**(a)**	Explain different transport layer protocols	**07**
	(b)	Explain the difference between Cloud, cluster and Grid computing.	**07**
		OR	
Q.3	**(a)**	What is VM Migration ? What factor are considered to take decision for migration ?	**07**
	(b)	Explain Software as a service for cloud environment with example	**07**
Q.4	**(a)**	What is Load Balancing in context of VM ? Which scheduling techquies are used for load balancing? Mention advantages of it.	**07**
	(b)	How the performance criteria for cloud computing can be measure?	**07**
		OR	
Q.4	**(a)**	Expalin TCP/IP Protocol suite.	**07**
	(b)	Write short note on Ethernet.	**07**
Q.5	**(a)**	Explain NIST models.	**07**
	(b)	Explain SAN, NAS and RAID storage. Brief different levels of RAID.	**07**
		OR	
Q.5	**(a)**	Write short note on Google web services.	**07**
	(b)	Explain Data center networking.	**07**

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