GUJARAT TECHNOLOGICAL UNIVERSITY ME – SEMESTER-1 (NEW) EXAMINATION – WINTER 2016

			Date:05/01/2017	
Subject Name: Cloud Computing Time: 2:30 pm to 5:00 pm Total M Instructions:			arks: 70	
 Attempt all questions. Make suitable assumptions wherever necessary. Figures to the right indicate full marks. 				
Q.1	(a) (b)	Explain TCP/IP Protocol Stack. What are the different Network Topologies? Explain each with its advantages and disadvantages.	07 07	
Q.2	(a)	Explain Main Aspects of a Cloud System and how it different form tradition managed services.	07	
	(b)	What is Virtualization? Explain different types of virtualization. OR	07	
	(b)	Explain Virtual Machine Provisioning and Manageability in VMware vShphere.	07	
Q.3	(a) (b)	What is Routing ? Explain different routing techniques in brief. Explain NIST models.	07 07	
Q.3	(a) (b)	OR What is quality of service (QoS) monitoring in a cloud computing? Explain Risk from multi-tenancy with respect to cloud environment.	07 07	
Q.4	(a) (b)	What is Open Nebula Cloud? Explain main components of Open Nebula. What are the cloud computing deployment models? OR	07 07	
Q.4	(a) (b)	Explain major barriers to large scale adoption of cloud services. What is Virtual machine Migration ? Explain different types of migration.	07 07	
Q.5	(a) (b)	Write short note on different Google cloud services. How the performance criteria for cloud computing can be measure? OR	07 07	
Q.5	(a) (b)	Write short note on different Amazon cloud services. Write short note on service management in cloud computing.	07 07	
