Enrolment No._____

GUJARAT TECHNOLOGICAL UNIVERSITY M. E. - SEMESTER – I • EXAMINATION – WINTER 2012

Subject code: 715108 Subject Name: Cloud Computing		Date: 16-01-2013		
Time	: 02.30 pm – 05.00 pm	Total Marks: 70		
Instr 1. 2. 3.	 nstructions: 1. Attempt question 1 which is compulsory and answer any four from the rest questions. 2. Make suitable assumptions wherever necessary. 3. Figures to the right hand indicate the marks. 			
Q. No. a. b.	1 Explain any four essential characteristics of a cloud as suggest Why data replication is important? Discuss two techniques use	ed by NIST. ed for data replicatio	[8 Marks] n. [6 Marks]	
Q. No. a. b.	2 Explain the advantages and disadvantages of a data center. Explain how databases used can affect the cloud performance	& solution to this is	[8 Marks] sue. [6 Marks]	
Q. No. a. b.	3 Explain the power related issues in a data center and how power data center. What is multi protocol label switching and its advantages to cl	er efficiency can be oud computing.	achieved in a [6 Marks] [8 Marks]	
Q. No. a. b.	4 Explain various security issues related to cloud computing. Discuss the benefits offered by a cloud to an organization.		[7 Marks] [7 Marks]	
Q. No. a. b.	5 Discuss how TCP makes communication slower. What is Portland network architecture? Discuss in details with	diagram.	[6 Marks] [8 Marks]	
Q. No. a. b.	6 Explain the various techniques suggested for making TCP con Discuss the latency issues faced in a data center or a cloud net	umunication faster. work.	[8 Marks] [6 Marks]	
Q. No. a. b.	7 Discuss various web versions and their differences. Describe the internal architecture of a cloud as defined by NIS	Т.	[7 Marks] [7 Marks]	
Q. No. a. b.	8 Explain the routing related issues faced in a data center or clour resolved. Explain why cloud computing is not considered suitable for re	id network and how al time applications.	they can be [8 Marks] [6 Marks]	
