Seat No.: _		Enrolment No	
		GUJARAT TECHNOLOGICAL UNIVERSITY MCA - SEMESTER-IV • EXAMINATION – SUMMER • 2015	
•		Code: 2640013 Date: 20-05-2015 Name: Cloud Computing	
Time Instru		:30 am - 01:00 pm Total Marks: 70	
	2.	Attempt all questions. Make suitable assumptions wherever necessary. Figures to the right indicate full marks.	
Q.1	(a)	List and Explain Characteristics, benefits and Challenges of Cloud Computing.	,
	(b)	Differentiate Shared and Distributed memory architecture with neat diagram.	7
Q.2	(a)	What is the significance of Virtualization in Cloud Computing? Explain the taxonomy of virtualization techniques.	7
	(b)	Write short note on Xen: Para virtualization. OR	7
	(b)	Explain the Technology VMware: full virtualization.	
Q.3	(a)	Define Cloud Computing. Explain with example IAAS(Infrastructure as a service).	7
	(b)	What are the types of Cloud? Explain any two in detail. OR	7
	(a)	How cloud computing applications can be usefull for Geoscience and Healthcare?	7
	(b)	What kinds of needs are addressed by heterogeneous clouds?	7
Q.4	(a) (b)	What does the acronym SaaS mean? How does it relate to cloud computing? How does cloud computing help to reduce the time to market for applications and to cut down capital expenses? OR	7
	(a)	Write short note on worker Threading Model in Amazon AWS Flow Framework	7
	(b)	Explain Architecture of Google AppEngine.	7
Q.5	(a)	How do you achieve energy efficiency in Cloud Computing? Explain any	7
	(b)	one method for energy efficiency. What do you mean by AWS Cloud Formation? What you can manage using AWS Cloud Formation?	7
	(a) (b)	OR Explain Federated Cloud and Inter Cloud. Explain Error Handling Mechanism in Amazon AWS Flow Framework.	7
