GUJARAT TECHNOLOGICAL UNIVERSITY MCA – SEMESTER IV EXAMINATION – SUMMER - 2016

	•	t Code:2640020 Date:04/06/20 t Name: Virtualization & Applications of Cloud	Date:04/06/2016	
Time:10:30 AM to 01:00 PM Total Mar Instructions:			70	
	1.	Attempt all questions. Make suitable assumptions wherever necessary.		
Q.1	(a)	 Answer the following questions. i) Define cloud computing. ii) What is cloud service? iii) Define cloud bursting. iv) What is hypervisior? v) What is MapReduce? vi) Define DynamoDB. vii) What is Google App Engine? 	[07]	
	(b)	Explain – "Cloud Computing can save money".	[07]	
Q.2	(a)	Explain technologies that played an important role in the realization of cloud	[07]	
	(b)	computing. Explain cloud service model.	[07]	
	(b)	OR	[07]	
0.1	(b)	Explain cloud computing reference model.	[07]	
Q.3	(a) (b)	State the importance of virtualization in cloud computing. Define virtualization. Explain types of virtualization.	[07] [07]	
• •		OR		
Q.3	(a) (b)	Explain virtual clustering. Define OS virtualization. Explain working, advantages and dis-advantages of OS virtualization.	[07] [07]	
Q.4	(a) (b)	Explain advantages and dis-advantages in cloud environments. State the key security challenges in cloud environments. OR	[07] [07]	
Q.4	(a) (b)	Explain in brief cloud computing risks. Define Risk management. Explain risk management in cloud computing.	[07] [07]	
Q.5	(a) (b)	Explain Google App Engine and its services. Explain in detail Google cloud applications. OR	[07] [07]	
Q.5	(a) (b)	Discuss the importance of Microsoft windows Azure brands Explain Amazon storage system.	[07] [07]	
