Sea	t No.:	Enrolment No.	
		GUJARAT TECHNOLOGICAL UNIVERSITY	
		M.E. SEMESTER III-EXAMINATION – WINTER 2015	
Subject code: 2730208 Date: 04/12/20			<b>15</b>
Sul	bject l	Name: Cloud Computing	
Tir	Time: 2:30 PM to 5:00 PM Total Marks: 7		<b>70</b>
Ins	tructi	ions:	
		Attempt all questions.	
		Make suitable assumptions wherever necessary.	
	3.	Figures to the right indicate full marks.	
Q.1	(a)	Define the word Cloud Computing. Enlist advantages of it.	07
	<b>(b)</b>	What is hypervisor and virtualization? Compare Full virtualization with Para virtualization.	07
Q.2	(a)	What is virtual infrastructure manager? Which services are provided by it?	07
	<b>(b)</b>	List and explain various types of Cloud.	<b>07</b>
	(1-)	OR	07
	<b>(b)</b>	List and explain some of important Cloud service models.	07
Q.3	(a)	What do you mean by virtual machine migration? Explain its applications.	07
	<b>(b)</b>	What is identity management? Describe any one identity management protocol. <b>OR</b>	07
Q.3	(a)	Write and explain various virtual machine migration techniques.	07
	<b>(b)</b>	Why security in cloud is more challenging? Write about data security in cloud.	<b>07</b>
Q.4	(a)	What do you mean by cloud management standards? What is DMTF? Briefly	07
		explain any two cloud management standards.	
	<b>(b)</b>	Write a note on compliance as a service (CaaS).	<b>07</b>
Q.4	(a)	<b>OR</b> What is load balancing? Which cloud resources can be load balanced? Describe	07
<b>.</b>	(a)	various load balancing techniques.	U1
	<b>(b)</b>	Explain following with respect to cloud	07
		Scalability and Elasticity	
		2. Vendor lock-in  3. Total cost of ownership	
		3. Total cost of ownership	
Q.5	(a)	Write a note on Microsoft Azure and services offered by it.	07
	<b>(b)</b>	Explain the concept of cloud federation.  OR	07
Q.5	(a)	Write a note on Amazon cloud and services offered by it.	07
-	<b>(b)</b>	Draw and explain Eucalyptus architecture.	07

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