GUJARAT TECHNOLOGICAL UNIVERSITY
BE – SEMESTER- VII EXAMINATION-SUMMER 2023

Subject Code: 3170717   **Date: 26/06/2023**
Subject Name: Cloud Computing
Time: 10:30 AM TO 01:00 PM   **Total Marks: 70**
Instructions:
   1. **Attempt all questions.**
   2. **Make suitable assumptions wherever necessary.**
   3. **Figures to the right indicate full marks.**
   4. **Simple and non-programmable scientific calculators are allowed.**

			MARKS
Q.1	**(a)**	Define cloud computing and identify its core features?	**03**
	(b)	What is virtualization? What are its benefits?	**04**
	(c)	List the cloud characteristics and explain them briefly.	**07**
Q.2	**(a)**	Explain community cloud model. How it is different from public cloud?	**03**
	(b)	What are the services provide by PaaS?	**04**
	(c)	Compare the various cloud delivery models based on their characteristics.	**07**
		OR	
	(c)	List and discuss various types of virtualization?	**07**
Q.3	**(a)**	Write short note on Hypervisor.	**03**
	(b)	Describe the need for virtualization.	**04**
	(c)	Detail out the steps involved in a Live VM Migration.	**07**
		OR	
Q.3	**(a)**	List the various characteristics of virtual cluster.	**03**
	(b)	What is load balancer? Why is it used	**04**
	(c)	Explain the common strategies for migrating application to the cloud.	**07**
Q.4	**(a)**	Write a short note on resource provisioning.	**03**
	(b)	What is elasticity rule? Explain three types of elasticity rules?	**04**
	(c)	What are the Infrastructure SLAs? Explain each in detail.	**07**
		OR	
Q.4	**(a)**	Write short note on identity broker.	**03**
	(b)	Describe the identity management life cycle.	**04**
	(c)	List the Cloud Security Risks and briefly explain each of them.	**07**
Q.5	**(a)**	What is the goal of encrypted cloud storage?	**03**
	(b)	List out the Emerging Cloud Management Standards.	**04**
	(c)	Explain the key characteristics and features of Google App engine.	**07**
		OR	
Q.5	**(a)**	What are the security concerns of cloud computing?	**03**
	(b)	Discuss the design considerations for storage network.	**04**
	(c)	Explain how to perform Disaster Recovery in Clouds?	**07**

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