GUJARAT TECHNOLOGICAL UNIVERSITY
BE - SEMESTER–VIII (NEW) EXAMINATION – SUMMER 2022

Subject Code:2180712   **Date:07/06/2022**

Subject Name:Cloud Infrastructure and Services

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)**	State different characteristics of cloud computing.	**03**
	(b)	Define Hypervisor with two examples.	**04**
	(c)	Explain IAAS, PAAS, and SAAS with an example.	**07**
Q.2	**(a)**	Explain Pros and Cons of Cloud Computing.	**03**
	(b)	What is Cloud and Cloud Computing? Differentiate Conventional Computing and Cloud Computing.	**04**
	(c)	Explain Virtualization.	**07**
		OR	
	(c)	Compare different cloud service provider.	**07**
Q.3	**(a)**	Differentiate Full and Para Virtualization.	**03**
	(b)	List the OpenIDL authentication steps in cloud security.	**04**
	(c)	Explain Loan balancing in cloud computing.	**07**
		OR	
Q.3	**(a)**	State different AWS services.	**03**
	(b)	Which cloud is better? Public or Private. Justify your answer.	**04**
	(c)	Explain Amazon S3 with its benefits and use cases.	**07**
Q.4	**(a)**	Describe Elastic Block Storage (EBS).	**03**
	(b)	How AWS deals with Disaster recovery?	**04**
	(c)	Write a note on AWS Security Mechanism.	**07**
		OR	
Q.4	**(a)**	What is role of machine imaging in the Amazon cloud platform?	**03**
	(b)	Explain about SOAP and REST web services.	**04**
	(c)	Explain AWS Billing mechanism.	**07**
Q.5	**(a)**	Explain Identity and Access Management (IAM) with its functionalities.	**03**
	(b)	Explain Dynamo DB and ElastiCache.	**04**
	(c)	Explain EC2 in details.	**07**
		OR	
Q.5	**(a)**	What are the limitations of RedShift?	**03**
	(b)	What is Amazon Glacier and how is it different from S3?	**04**
	(c)	How Amazon Cloudwatch collect, monitor act and analyse different activities? State benefits of Amazon Cloudwatch.	**07**

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