

GUJARAT TECHNOLOGICAL UNIVERSITY**BE - SEMESTER– VIII (NEW) EXAMINATION – WINTER 2021****Subject Code:2180712****Date:01/12/2021****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) What is the difference between scalability and elasticity?	03
	(b) Explain Pros and Cons of Cloud Computing.	04
	(c) Define cloud computing and state it's desirable features.	07
Q.2	(a) What is Amazon Elastic MapReduce?	03
	(b) Which cloud is better? Public or Private. Justify your answer.	04
	(c) Explain IAAS, PAAS, and SAAS in details.	07
	OR	
	(c) Compare different cloud service provider	07
Q.3	(a) List the OpenIDL authentication steps in cloud security.	03
	(b) Explain Community and Hybrid Cloud.	04
	(c) Explain Amazon S3? Explain Amazon S3 API? What are the operations we can execute through API?	07
	OR	
Q.3	(a) How Amazon Cloudwatch works?	03
	(b) What is load balancing? Explain the need of load balancing in cloud computing.	04
	(c) Explain Virtualization and Hypervisor?	07
Q.4	(a) How do multi tenancy and service elasticity can be achieved in cloud computing?	03
	(b) Explain AWS Billing mechanism.	04
	(c) Explain Disaster recovery in Aws cloud.	07
	OR	
Q.4	(a) What is Eucalyptus? Explain in brief	03
	(b) Explain about SOAP and REST web services.	04
	(c) Explain EC2 in detail.	07
	OR	
Q.5	(a) What is a use of Amazon Machine Image (AMI)?	03
	(b) Explain Identity and Access Management (IAM).	04
	(c) Elastic Block Storage (EBS).	07
	OR	
Q.5	(a) What is Dark Web? Explain in brief.	03
	(b) Explain Redshift in detail.	04
	(c) What is Amazon Glacier? How does it work? Differentiate Glacier and S3.	07
