

**GUJARAT TECHNOLOGICAL UNIVERSITY****BE- SEMESTER–VIII (NEW) EXAMINATION – WINTER 2020****Subject Code:2180712****Date:28/01/2021****Subject Name:Cloud Infrastructure And Services****Time:02:00 PM TO 04:00 PM****Total Marks: 56****Instructions:**

1. Attempt any FOUR questions out of EIGHT questions.
2. Make suitable assumptions wherever necessary.
3. Figures to the right indicate full marks.

- Q.1** (a) What is IASS, PASS and SAAS? Discuss in brief. **03**  
(b) Discuss the following terms: **04**  
(i) Cloud (ii) Resource Pooling  
(iii) Rapid elasticity (iv) Measured services.  
(c) Enlist and explain Cloud Deployment Models. **07**
- Q.2** (a) What are the advantages of Amazon S3? **03**  
(b) Explain Elastic Block Storage (EBS) in brief. **04**  
(c) Discuss Virtualization and Hypervisors. **07**
- Q.3** (a) What do you mean by SOAP and REST interface? **03**  
(b) Define Virtual Machine? Discuss Virtual Machine types. **04**  
(c) Explain AWS Infrastructure in detail. **07**
- Q.4** (a) Write S3 URL Naming Conventions. **03**  
(b) Discuss AWS Ecosystem. **04**  
(c) Explain AWS API Security in brief. **07**
- Q.5** (a) How Machine Imaging helps to achieve the goal of cloud computing? **03**  
(b) What do you understand by Cloud Watch and Cloud Formation? **04**  
(c) Explain Glacier Storage Service in detail. **07**
- Q.6** (a) What are the features of Relational Database Service? **03**  
(b) What are the DynamoDB characteristics? **04**  
(c) Explain different Service Models of cloud in detail. **07**
- Q.7** (a) What is the need of Load Balancing in Cloud Computing? **03**  
(b) Explain ElastiCache in brief. **04**  
(c) Explain the working of Virtual Private Cloud? **07**
- Q.8** (a) Discuss Identity and Access Management (IAM). **03**  
(b) Explain Redshift in brief with suitable diagram. **04**  
(c) What is Elastic Load Balancing and how it reduces the workload? **07**

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