

**GUJARAT TECHNOLOGICAL UNIVERSITY****BE - SEMESTER–VIII (NEW) EXAMINATION – WINTER 2018****Subject Code: 2180712****Date: 29/11/2018****Subject Name: Cloud Infrastructure And Services****Time: 02:30 PM TO 05:00 PM****Total Marks: 70****Instructions:**

1. Attempt all questions.
2. Make suitable assumptions wherever necessary.
3. Figures to the right indicate full marks.

- Q.1** (a) Define cloud computing with its features. **03**  
(b) List cloud deployment models and describe Public cloud. **04**  
(c) Compare different cloud service provider. **07**
- Q.2** (a) Differentiate between Dynamo-DB and Amazon S3. **03**  
(b) What is load balancing? Explain need of load balancing in cloud computing. **04**  
(c) Explain IAAS, PAAS, and SAAS with an example? **07**
- OR**
- (c) Explain Virtualization and Hypervisor? **07**
- Q.3** (a) How AWS deals with Disaster recovery? **03**  
(b) Explain Pros and Cons of Cloud Computing. **04**  
(c) Explain Amazon S3? Explain Amazon S3 API in details. **07**
- OR**
- Q.3** (a) Explain Virtual Private cloud and Redshift? **03**  
(b) Write a note on AWS Ecosystem. **04**  
(c) Write a short note on EC2. **07**
- Q.4** (a) What are the functionalities of Identity and Access Management (IAM)? **03**  
(b) Write a note on Cloud Computing Stack **04**  
(c) List the OpenIDL authentication Steps in cloud security **07**
- OR**
- Q.4** (a) Which cloud is better? Public or Private. Justify your answer. **03**  
(b) Explain Elastic Load Balancer in AWS. **04**  
(c) Explain Public, Private, Community and Hybrid Cloud. **07**
- Q.5** (a) What is Eucalyptus ? Explain in brief **03**  
(b) What do you mean by Identity Management and Access Management? **04**  
(c) Write a note on AWS Security **07**
- OR**
- Q.5** (a) How we can say our data is secure on cloud and what are the challenges to achieve it? **03**  
(b) What is SOAP and REST web services? **04**  
(b) What is Glacier and how it is beneficial? **07**

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