

Seat No.: _____

Enrolment No. _____

GUJARAT TECHNOLOGICAL UNIVERSITY

BE - SEMESTER-VIII (NEW) - EXAMINATION – SUMMER 2018

Subject Code: 2180712

Date: 07/05/2018

Subject Name: Cloud Infrastructure and Services(Departmental Elective - III)

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.

- Q.1**
- (a) Explain Pros and Cons of Cloud Computing. **04**
 - (b) Define load balancing. What is need of load balancing in cloud computing. **03**
 - (c) Define cloud computing and state its desirable features **07**
- Q.2**
- (a) Compare and Contrast Emulation and Para-Virtualization **04**
 - (b) What are Hypervisors? List its importance **03**
 - (c) Explain Amazon S3? Explain Amazon S3 API? What are the operations we can execute through API. **07**
- OR**
- (b) Compare different cloud service provider. **07**
- Q.3**
- (a) List cloud deployment models and describe community cloud. **04**
 - (b) Explain Pod, silos and aggregations in terms of Cloud **03**
 - (c) Write a note on Cloud Computing Stack **07**
- OR**
- Q.3**
- (a) Compare and contrast Dynamo-DB and Amazon S3 **04**
 - (b) Write a note on AWS Ecosystem. **03**
 - (c) Explain Elastic Load Balancer **07**
- Q.4**
- (a) Which cloud is better? Public or Private. Justify your answer **04**
 - (b) List the OpenIDL authentication Steps in cloud security **03**
 - (c) How Virtual Private Cloud works ? **07**
- OR**
- Q.4**
- (a) What is Eucalyptus ? Explain in brief **04**
 - (b) What is Dark Web? Explain in brief **03**
 - (c) How AWS deals with Disaster recovery? **07**
- Q.5**
- (a) What are the functionalities of Identity and Access Management (IAM) ? **04**
 - (b) How does Cloud deals with Disaster Recovery **03**
 - (c) Write a note on AWS Security **07**
- OR**
- Q.5**
- (a) What is SOAP and REST web services ? **04**
 - (b) What are the challenges to data security in cloud **03**
 - (c) Write a note on EC2 **07**
