

GUJARAT TECHNOLOGICAL UNIVERSITY**BE - SEMESTER-VIII (NEW) - EXAMINATION – SUMMER 2017****Subject Code: 2180712****Date: 02/05/2017****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) Define Cloud, On Demand self service, Resource pooling, Broad Network access, Rapid elasticity and Measured services. **07**
(b) Explain Public, Private, Community and Hybrid Cloud. **07**
- Q.2** (a) Explain SAAS with an example? **07**
(b) Explain Virtualization and Hypervisor? **07**
- OR**
- (b) Compare different cloud service provider? **07**
- Q.3** (a) Explain Dynamo DB and ElastiCache? **07**
(b) Explain Amazon S3? Explain Amazon S3 API? What are the operations we can execute through API **07**
- OR**
- Q.3** (a) What do you mean by Disaster recovery in cloud and how we can deal with it? **07**
(b) What is Glacier and how it is beneficial? **07**
- Q.4** (a) How machine Imaging help to achieve the goal of cloud computing? **07**
(b) How we can say our data is secure on cloud and what are the challenges to achieve it? **07**
- OR**
- Q.4** (a) Explain Virtual Private cloud and Redshift? **07**
(b) Illustrate different service model of cloud. **07**
- Q.5** (a) What do you mean by Identity Management and Access Management? **07**
(b) What is cloud watch and cloud formation? **07**
- OR**
- Q.5** (a) How AWS deals with Disaster recovery? **07**
(b) What is elastic load balancing and how it reduces the workload? **07**
