

GUJARAT TECHNOLOGICAL UNIVERSITY**BE - SEMESTER-VII (NEW) EXAMINATION – SUMMER 2022****Subject Code:3170717****Date:08/06/2022****Subject Name:Cloud Computing****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.
4. Simple and non-programmable scientific calculators are allowed.

- Q.1** (a) Define load balancing. What is need of load balancing in cloud computing? **03**
- (b) What are the challenges to data security in cloud? **04**
- (c) How machine Imaging help to achieve the goal of cloud computing? **07**
- Q.2** (a) What are Hypervisors? List it's importance. **03**
- (b) What is Eucalyptus? Explain in brief. **04**
- (c) How AWS Billing mechanism works? **07**
- OR**
- (c) Explain SAAS with an example? **07**
- Q.3** (a) What is SOAP and REST web services? **03**
- (b) Elaborate Securing Data. **04**
- (c) Explain Elastic Load Balancer. **07**
- OR**
- Q.3** (a) What is SOAP? Explain in brief. **03**
- (b) Explain Physical versus Virtual Clusters **04**
- (c) Explain Amazon S3? Explain Amazon S3 API? What are the operations we can execute through API? **07**
- Q.4** (a) Give A Brief Introduction to Windows Azure Operating System. **03**
- (b) How would you secure data for transport in the cloud? **04**
- (c) Mention working mechanism of AWS Cloud Trail with its benefits. **07**
- OR**
- Q.4** (a) Explain the difference between cloud and traditional data centers. **03**
- (b) What are the cons of cloud computing? **04**
- (c) What is Amazon Glacier? How does it work? Differentiate Glacier and S3. **07**
- Q.5** (a) Define cloud computing and state it's desirable features **03**
- (b) Write a note on AWS API Security. **04**
- (c) How AWS deals with Disaster recovery? **07**
- OR**
- Q.5** (a) Mention benefits of cloud computing technology. **03**
- (b) Write a note on AWS Ecosystem. **04**

- (c) What technology services does Amazon provide? What are the business advantages to Amazon and to subscribers of these services? What are the disadvantages of each? What kinds of businesses are likely to benefit from these services?

07
