

GUJARAT TECHNOLOGICAL UNIVERSITY
MCA – SEMESTER - III EXAMINATION –WINTER-2022

Subject Code: 639407**Date: 30/12/2022****Subject Name: Cloud Computing****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) Discuss Computing paradigm evaluation and a new paradigm. **07**
(b) List and explain types of cloud computing. **07**
- Q.2** (a) Explain cloud computing service and deployment model. **07**
(b) Describe the Cloud computing Architecture. **07**
- OR**
- (b) Explain management and administration of Cloud services. **07**
- Q.3** (a) Write short note on virtualization technology. **07**
(b) Write difference between Hyper-v, VMware, and Virtualbox. **07**
- OR**
- Q.3** (a) Explain concept of VLAN and its benefits. **07**
(b) What is VM migration? Explain different types of migration. **07**
- Q.4** (a) Explain concept of SAN and its benefits. **07**
(b) What are serverless components in cloud computing? Discuss pros and cons of serverless computing. **07**
- OR**
- Q.4** (a) What are microservices? Why are microservices important for true cloud environment? **07**
(b) What are some issues with Cloud computing? What are the security laws which are implemented to secure data in a cloud computing? **07**
- Q.5** (a) What is the purpose of a Service Level Agreement (sla)? What information is contained in a Service Level Agreement? **07**
(b) Write steps to deploy web application in the Google app engine. **07**
- OR**
- Q.5** (a) Explain Service Oriented Architecture (SOA) for cloud Applications. **07**
(b) Explain Task queues and cron jobs. **07**
