

**GUJARAT TECHNOLOGICAL UNIVERSITY**  
**MCA– SEMESTER –V EXAMINATION –SUMMER-2019**

**Subject Code:3650012**

**Date: 10-05-2019**

**Subject Name: Cloud Computing (CC)**

**Time:10.30 am to 1.00 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) Do as Directed. 07**
- 1. Cloud Computing Reflects \_\_\_\_\_.  
1) Service.  
2) Virtualization.  
3) Integration.  
4) Internet.**
  - 2. Hybrid Cloud consist of at least \_\_\_\_\_.  
1) One Public Cloud.  
2) One Private Cloud.  
3) Two Private Cloud.  
4) One Public and One Private Cloud.**
  - 3. SLA Stand For \_\_\_\_\_.  
4. Define Term Cloud outages.  
5. Hypervisor is a layer between OS and Memory. (True/False) Justify your answer.  
6. JPQL Stand For \_\_\_\_\_.  
7. The Memory Cache Is a short-term key value storage service. (True/False) Justify your answer.**
- Q.1 (b) 1. Give Benefits of Cloud Computing. 04  
2. Explain Cloud Architecture. 03**
- Q.2 (b) Explain CPU Virtualization and Application Virtualization. 07**
- Q.2 (b) Differentiate Between Cluster Computing and Cloud Computing. 07**
- OR**
- Q.2 (b) Discuss Cloud Storage Services in IaaS Model. 07**
- Q.3 (a) Explain Service Oriented Architecture for Resource Oriented SOA and Method Oriented SOA. 07**
- Q.3 (b) Perform Credit Calculation for SLA Breaches. Discuss Google Apps SLA. 07**
- OR**
- Q.3 (a) Brief SLA Aspects and Requirements. 07**
- Q.3 (b) Discuss Available Risks and issues by Gartner in Cloud Computing. 07**
- Q.4 (a) Give Overview of Cloud Service Model. 07**
- Q.4 (b) Differentiate Type1 Virtualization and Type2 Virtualization Products. 07**
- OR**
- Q.4 (a) Explain Non – Functional Requirements of Cloud Applications. 07**
- Q.4 (b) Differentiate Chargeback Model for Direct and Indirect Cost. 07**
- Q.5 (a) Explain App Engine Architecture. 07**
- Q.5 (b) Discuss Administration console for google App Engine. 07**
- OR**
- Q.5 (A) Explain Transaction in JPA. 07**
- Q.5 (B) Discuss various steps for JPQL Relationships. 07**

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