

Seat No.: _____

Enrolment No. _____

GUJARAT TECHNOLOGICAL UNIVERSITY
MCA - SEMESTER- V- EXAMINATION – WINTER - 2018

Subject Code: 3650012

Date: 28/11/2018

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) Do as directed** **07**
1. An App Engine application stores its data as one or more datastores _____.
a) Entities b) Properties c) Database d) Columns
 2. Default URL for application deployed on Google App Engine.
a) app-id.appspot.com b) appspot.com
c) appspot.app-id.com d) google.appspot.com
 3. Give the full forms of: a) JPA b) TOC
 4. List the Properties of Cloud Computing.
 5. Define Distributed Computing.
 6. Cloud Computing is combination of utility computing, SLA and _____.
a) Virtualization b) SOA
c) Web services d) distributed computing
 7. Para-virtualization is also known as _____.
a) OS-enabled Virtualization b) x86 virtualization
c) Hypervisor d) None of these
- (b) What is cloud computing? Explain its characteristics.** **07**
- Q.2 (a) Explain Concept of VLAN .Also discuss benefits of VLAN.** **07**
- (b) Discuss Challenges with Cloud Computing.** **07**
- OR**
- (b) Discuss Cloud Deployment Model.** **07**
- Q.3 (a) Write a short note on Risk in cloud computing.** **07**
- (b) What is Cluster Computing? Explain advantages and characteristics of Cluster Computing.** **07**
- OR**
- Q.3 (a) Write a short note X86 Virtualization.** **07**
- (b) What is Parallel Computing? Explain Parallel Computer Architecture.** **07**
- Q.4 (a) Distinguish Traditional VS. Cloud Application Architecture.** **07**
- (b) What is Virtualization? Explain Virtualization in detail.** **07**
- OR**
- Q.4 (a) Explain Service Oriented Architecture (SOA) for cloud Application.** **07**
- (b) Explain requirements for cloud application Architecture.** **07**
- Q.5 (a) Explain the steps to configure a JPA Projects for Book Entity.** **07**
- (b) Explain each step of Developing, Registering and Uploading an Application on Google App Engine.** **07**
- OR**
- Q.5 (a) Explain Saving, Fetching, and Deleting Objects through JPA.** **07**
- (b) Discuss The App Engine Architecture with diagram.** **07**
