

**Total No. of Questions: 09**

**B.Tech. (IT) (E-I 2011 Onwards) (Sem. – 6)**

**CLOUD COMPUTING**

**M Code: 71179**

**Subject Code: BTCS-912**

**Paper ID: [A2359]**

**Time: 3 Hrs.**

**Max. Marks: 60**

**INSTRUCTIONS TO CANDIDATES:**

1. **SECTION-A is COMPULSORY** consisting of **TEN** questions carrying **TWO** marks each.
2. **SECTION-B** contains **FIVE** questions carrying **FIVE** marks each and students have to attempt any **FOUR** questions.
3. **SECTION-C** contains **THREE** questions carrying **TEN** marks each and students have to attempt any **TWO** questions.

**SECTION A**

1. a) Define Cloud Computing.  
b) Define Grid Computing.  
c) What do you understand by Elasticity?  
d) Define the term Multitenancy.  
e) List Examples of SaaS applications.  
f) What do you understand by Community Cloud?  
g) Define the term Cloud Security Breach.  
h) Define the purpose of Authentication.  
i) List purpose of Application Programming Interfaces.  
j) What do you understand by Digital Signatures?

### SECTION B

2. What are the driving factors for Migration toward Cloud?
3. Explain Virtualization in Cloud in detail.
4. List some Trade-offs in Installing Cloud.
5. Explain in detail the process of Cloud Migration.
6. Explain the role of Secure Socket layer in Cloud.

### SECTION C

7. Explain in detail Cloud Management Platform Reference Architecture.
8. a) What do you understand by Hypervisor? Explain its various available types and their Working.  
b) How Identity management is done in Cloud?
9. a) Explain in detail various Cloud deployment Models.  
b) List various steps to reduce cloud security breaches.