PVP 12

Code: **CSCS2T5B**

# I M.Tech-II Semester-Regular Examinations-December 2013

## CLOUD COMPUTING

### (COMPUTER SCIENCE & ENGINEERING)

Duration: 3 hours Marks: 5x14=70

Answer any FIVE questions. All questions carry equal marks

1. a) Explain with neat sketch about the convergence of technologies that lead to cloud Computing? 7M

   b) What are the desired features of a cloud? 7M

2. a) Explain about the SaaS integration enigma. 7M

   b) What are the challenges need to be considered while migrating from traditional approach to Cloud modeling? 7M

3.a) Define virtualization. Draw neat diagram of layered virtualization architecture. 7M

   b) Explain about VM provisioning and migration. 7M

4. a) Explain about: 7M
   i) Amazon Elastic Computing Cloud (EC2)
   ii) Google App Engine.

   b) Explain about T-Systems' Core Cloud Modules. 7M

5. a) Explain about Aneka framework architecture. 7M

   b) What is autonomic cloud bursting? Explain. 7M

6. a) Explain with an example how Map Reduce programming model works. 7M

   b) Explain about Hadoop. 7M

7. a) Explain about life cycle management in cloud 7M

   b) How security mapping is performed in Cloud? 7M

8. a) What are the important aspects to be considered before moving an application into cloud? 7M

   b) Explain about smart phones with Cloud Android. 7M