

Code: IT7T5B

**IV B.Tech - I Semester – Regular / Supplementary Examinations
November 2016**

**CLOUD COMPUTING
(INFORMATION TECHNOLOGY)**

Duration: 3 hours

Max. Marks: 70

Answer any FIVE questions. All questions carry equal marks

1. a) Describe Public Cloud, Private Cloud and Hybrid Cloud. 7 M
b) Explain Hardware Virtualization. 7 M
2. a) What are the challenges of SaaS paradigm? 7 M
b) Explain Data Integration Engineering lifecycle. 7 M
3. a) Describe the layered virtualization technology architecture with a diagram. 7 M
b) Write about live migration and regular/cold migration. 7 M
4. a) Explain the process of cluster discovery and job submission in CaaS. 7 M

- b) Database outsourcing has become an important component of cloud computing. What is database outsourcing? 7 M
5. a) Describe aneka resource provisioning service. 7 M
- b) What are the guidelines for design and implementation of hybrid cloud? 7 M
6. a) In scientific cloud applications what is SaaS layer, PaaS layer and IaaS Layer? 7 M
- b) Give mapreduce execution overview. 7 M
7. a) What are the basic principles of cloud computing? 7 M
- b) What are internal security threats in cloud environment? 7 M
8. a) What are cloud service attributes? 7 M
- b) Write a note on SMS. 7 M