JAWAHARLAL NEHRU TECHNOLOGICAL UNIVERSITY HYDERABAD
M.TECH II - SEMESTER EXAMINATIONS, APRIL/MAY 2012
CLOUD COMPUTING
(WEB TECHNOLOGIES)

Time: 3hours   **Max. Marks: 60**

Answer any five questions
All questions carry equal marks
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1. a. Briefly explain the need and concept of virtual machines.
    b. Explain virtualization in grid computing.

2. a. Explain the information model for virtual machine.
    b. What are characteristics of Software as a Service (SaaS)? Explain Software
       Oriented Architecture (SOA).

3. a. Give an overview of cloud computing.
    b. Explain the cloud application architecture.

4. Explain the following:
       a. Scaling a cloud infrastructure
       b. Value of cloud computing

5. a. Explain the service levels for cloud applications.
    b. Discuss the security features in cloud computing.

6. a. What is information-as-a-service? Explain.
    b. What is infrastructure-as-a-service? Explain.

7. Explain the disaster recovery mechanism in cloud computing.

8. Write short notes on
       a. OpenNEbula
       b. Nimbus

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