CS / IT - 703

B.E. VII Semester

Examination, December 2013

Cloud Computing

Time : Three Hours   Maximum Marks : 70

Note: All questions are compul

Unit - I

1. a) Differentiate between Grid computing. Distributed computing and cloud computing. Also draw the relationship between them.   7

    b) Describe the characteristics of cloud computing environments.   7

OR

2. a) Discuss the different barriers of cloud computing.   7

    b) What do you understand by service oriented architecture (SOA). How it support cloud computing? Explain.   7

Unit - II

3. a) Explain the key steps in cloud implementation planning process with example.   7

    b) Explain the services provided by Amazon infrastructure cloud from user perspective 7

OR

4. a) What do you understand by cloud analytics? Explain also describe how it works.   7

b) Explain in brief cloud desktop infrastructure in brief with its services.   7

Unit - III

5. What is the difference between process virtual machines, host VMMs and native VMMs. 7

b) Discuss the benefits, goals and characteristics of provisioning.   7

OR

6. Describe different types of hypervisors with example and block diagram. Also enlist the advantages and virtualization.   7

b)Explain what do you understand by Hypervisor management software and their requirements7

Unit IV

7. a) Enlist and explain some of the common pitfalls that come with virtualizations.   7

b) Describe the top threats identified by cloud security alliance(CSA) of cloud computing. 7

OR

8. a) Explain with suitable example map reduce model.   7

b) Explain the risk from multi-tenancy with respect to various cloud environment. 7

Unit -V

9. a) Describe the architecture of cloud federation stack. 7

b) Explain conceptual representation of Eucalyptus cloud. Also explain in brief the components within eucalyptus system. 7

10. a) Describe the major cloud features of Google application engine.   7

b) Explain the architecture of HADOOP with its diagram. 7