

CS / IT - 703
B.E. VII Semester
Examination, December 2013
Cloud Computing

Time : Three Hours

Maximum Marks : 70

<http://www.rgpvonline.com>

Note: All questions are compulsory and carry equal marks.

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 requirements 7

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

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

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