

Roll No

CS/IT - 703**B.E. VII Semester**

Examination, December 2014

Cloud Computing*Time : Three Hours**Maximum Marks : 70*

- Note:** i) Attempt one question from each unit.
ii) Each unit carry equal marks.

Unit - I

1. a) What makes cloud computing so interesting to IT stake holders and research practitioners? Explain it by listing essential cloud computing environment and cloud service requirements. 7
- b) Write a brief notes on cloud adoption and cloud rudiments. 7

OR

2. a) List the different cloud application available in the market? Briefly explain the scenarios/situations of “when to not use clouds”. 7
- b) Explain cloud and dynamic infrastructure. 7

Unit - II

3. a) How testing under cloud can be performed? Explain it by taking service based models of cloud computing under consideration. 7
- b) What are the fundamental components introduced in cloud reference model? Explain. 7

OR

4. a) What is cloud scalability? Explain the term “Virtual desktop infrastructure”. 7
- b) Write a brief notes on cloud ecosystem along with the examples. 7

Unit - III

5. a) What is the need of virtualization? Discuss the architecture of hyper-V and discuss its use in cloud computing. 7
- b) Write the difference between block and file level storage virtualization. 7

OR

6. a) Write a brief notes on high availability and disaster recovery in cloud computing. Also explain RTO and RPO. 7
- b) Write the difference between VLAN and VSAN. 7

Unit - IV

7. a) Explain cloud computing security architecture. 7
- b) Explain the cloud information security fundamental introduced in cloud security management. 7

OR

8. a) Explain virtualization security management. 7
- b) Discuss the different cloud security services. 7

Unit - V

9. a) What is market oriented cloud computing? List the main components that implement a MOCC system. 7
- b) What is third-party cloud services? Give some examples of a third-party cloud service. 7

OR

10. a) What kind of standards and protocols can be used to achieve interoperability in a cloud federation? 7
- b) What are the main components that implement a MOCC based system? 7