

Second Semester M.Tech. Degree Examination, June/July 2013

Cloud Computing

Time: 3 hrs.

Max. Marks: 100

Note: Answer any FIVE full questions.

- 1
 - a. Define cloud computing. With a neat diagram, explain the taxonomy of cloud computing. (08 Marks)
 - b. With a neat diagram, explain cloud architecture using SOA. (06 Marks)
 - c. Explain the cloud characteristics that are helpful to deploy cloud service in a fast and cost – effective way. (06 Marks)
- 2
 - a. Explain the security issues a public cloud. (10 Marks)
 - b. Explain the different cloud delivery and deployment models. (10 Marks)
- 3
 - a. Briefly explain the advantages and disadvantages of cloud computing. (10 Marks)
 - b. What are the issues in cloud service management? Explain. (05 Marks)
 - c. Define information lifecycle management. List and explain the objectives to support and improve information management. (05 Marks)
- 4
 - a. What is the need for virtual desktop infrastructure? Explain the advantages of virtual desktop infrastructure to the enterprise. (06 Marks)
 - b. Briefly explain the benefits of provisioning in cloud management. (06 Marks)
 - c. Explain the different types of charge back models used in cloud management. (08 Marks)
- 5
 - a. Define server virtualization. With necessary block diagrams, explain the types of server virtualization. (08 Marks)
 - b. With a neat block diagram, explain virtual IO server. (06 Marks)
 - c. Explain the three domains of services that the cloud infrastructure has in its service components. (06 Marks)
- 6
 - a. Explain the steps in SOA based cloud infrastructure. (08 Marks)
 - b. With a neat block diagram, explain cloud IT service management. (07 Marks)
 - c. Write a note on hypervisor. (05 Marks)
- 7
 - a. Explain any six virtualization initiatives that are active in the industry. (06 Marks)
 - b. Define disaster recovery. Explain the different issues involved in disaster recovery. (06 Marks)
 - c. Explain any eight component services of platform integration and deployment. (08 Marks)
- 8

Explain the following :

 - a. Cloud service definitions
 - b. Computing on demand
 - c. Asset management in cloud management
 - d. Logical partitioning in cloud virtualization. (20 Marks)