Second Semester M.Tech. Degree Examination, June/July 2014
Cloud Computing

Time: 3 hrs.   Max. Marks:100

Note: *Answer any FIVE full questions.*

1   a. Define cloud computing. What are all infrastructure required to make cloud dynamic? And also explain why should we adopt the cloud for business. **(08 Marks)**
    b. Write and explain some of the security concerns consider for cloud deployment. **(06 Marks)**
    c. Define grid computing. With the architecture explain significant role of cluster and grid computing to develop the cloud computing. **(06 Marks)**

2   a. Explain the different categories of Gamut cloud solution. **(10 Marks)**
    b. What is the role of SOA in cloud design? **(05 Marks)**
    c. Write and explain how cloud business process management helps to achieve the continuous improvement of the business. **(05 Marks)**

3   a. With the diagram explain the cloud analysis for business. **(08 Marks)**
    b. How do you protect the information and explain security challenges in cloud? **(08 Marks)**
    c. Write and explain computing on demand (COD). **(04 Marks)**

4   a. How virtual desktop helps the load balancing in cloud computing explain with the figure? **(10 Marks)**
    b. With the architecture explain how virtual desktop infrastructure helps business improvement of entrepreneur level. **(10 Marks)**

5   a. What are the factors which help to develop the asset management strategy? **(06 Marks)**
    b. With the diagram, explain the following charging models, usage reporting, billing and metering. **(10 Marks)**
    c. Explain why virtualization is required. **(04 Marks)**

6   a. Write the current virtualization initiatives and explain their benefits. **(08 Marks)**
    b. With the diagram explain the OS virtualization. **(06 Marks)**
    c. With a neat block diagram, explain virtual IO server. **(06 Marks)**

7   a. With the diagram, explain the storage virtualization. **(08 Marks)**
    b. With the block diagram, explain the server virtualization. **(08 Marks)**
    c. Write the SOA based cloud infrastructure steps. **(04 Marks)**

8   Explain the following:
    a. Cloud governance.
    b. Cloud and SOA.
    c. Hypervisor.
    d. Virtualized data center. **(20 Marks)**

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