

Subject Code: H2508/R13

M. Tech –II Semester Regular Examinations, September, 2014

CLOUD COMPUTING

(Common to SE, IT, CS&T and CS&E)

Time: 3 Hours

Max Marks: 60

Answer any FIVE questions

All questions carry EQUAL marks

1. a) Describe the layered structure of service oriented architecture.
b) How is virtual machine in cluster implemented? Give an example.
2. a) What is transactional computing? Give the logical layout of transactional system and explain.
b) What is meant by cloud scaling?
3. a) What is the importance of licensing in the cloud environment? Explain.
b) What are the elements to be considered for comparing the costs in the cloud environment with other models?
c) What benefits are achieved with clusters when compared with independent nodes?
4. What are the features need to be considered for cloud database services? Describe about Amazon relational data store, Google Cloud SQL & Azure SQL Database.
5. What is Platform as Service? What are the functional differences between PaaS & traditional development platforms? What are the benefits of PaaS? Mention some PaaS resources.
6. a) What is meant by host intrusion detection system(HIDS)? How can a HIDS be implemented on a cloud network? Explain.
b) In what way does data segmentation reduce the impact of a security attack?
c) What is the traditional procedure used to detect a compromise of physical server?
7. a) What is geographic redundancy? How are operations across regions depends on the nature of the web application & the redundancy needs?
b) What is organizational redundancy? What are the issues related to organizational redundancy?
8. a) Describe about Xen 's Hardware level Virtualization.
b) What are the different types of cloud computing?

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