Tribhuwan University
Institute of Science and Technology
Model

Bachelor Level / eighth-semester / Science   Full marks: 60
Computer Science and Information Technology(CSC458)   Pass marks: 24
(Cloud Computing)   Time: 3 hours
Candidates are required to give their answers in their own words as far as practicable.
The figures in the margin indicate full marks.

Attempt all Questions (10 x 6= 60)

1. Describe about cloud based services. What are the challenges in cloud computing?

2. How grid computing differs from cloud computing? Justify what the elasticity and multitenancy properties of cloud computing means?

3. What do you mean by virtualization? What is the role of virtualization in cloud computing?

4. What are the cloud security challenged? How risks can be handles n cloud computing?

5. Discuss about disasters in cloud. How intrusions are detected in cloud?

6. What do you mean by service oriented architectures (SOA)? How can you characterize SOA?

7. Discuss about Jericho Cloud Cube Model. What are the advantages of Communication-as-a-service (CaaS) Model?

8. Discuss about the implementation issues that need to be considered while maintaining Software-as-a-service (SaaS) Model.

9. Discuss about the planning needed for building the service oriented architecture.

10. Describe the services provided by the Monitoring-as-a-service (MaaS) vendors in cloud service systems.