

Tribhuvan University  
Institute of Science and Technology

2069

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Bachelor Level/ Fourth Year/ Seventh Semester/ Science  
**Computer Science and Information Technology (CSc. 458)**  
**(Cloud Computing)**

Full Marks: 60  
Pass Marks: 24  
Time: 3 hours.

*Candidates are required to give their answers in their own words as far as practicable.*

**Attempt all Questions**

**(10 x 6= 60)**

1. Explain the cloud computing model and its benefits.
2. Explain the cloud deployment models.
3. What are the difference between public clouds and private clouds?
4. What are the implementation issues of SAAS? Explain.
5. Explain platform-as-a-service and its challenges.
6. Explain the data center virtualization.
7. What do you mean by service oriented architecture (SOA)? Explain with example.
8. How can you design the security architecture in cloud? Explain.
9. Explain the process of implementation of network intrusion detection.
10. Explain the disaster recovery planning of cloud computing.

