

**Tribhuvan University**  
**Institute Of science and technology**  
**2070**

Bachelor Level/Fourth Year/Eighth Semester/Science

Full Marks: 60

**Computer Science and Information Technology**

Pass Marks: 24

**(CSc. 458 Cloud Computing)**

Time: 3 hours.

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

The figures in the margin indicate full marks.

**Attempt all questions.**

**(10\*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 on SAAS? Explain.
5. Explain the 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 examples.
8. How can you design the security architecture in cloud? Explain.
9. Explain the process of implementation of Network Intrusion detection.