

Tribhuvan University
Institute Of science and technology
2073

Bachelor Level/Fourth Year/Eighth Semester/Science

Full Marks: 60

Computer Science and Information Technology

Pass Marks: **24**

(CSc. 453 — Advance Networking with IPv6)

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 any SIX questions. (6x10---60)

1. Explain the OSX-model and its applications.
2. Explain the history of IPv6 and addressing of IPv4.
3. Explain the ICMP error and also explain the information message types.
4. Explain the security techniques and XS peadigms the OSPF for IPv6.
5. Differentiate between automatic tunneling ancncfigured tunneling.
6. What are the migration strategies from IPv4 to IPv6.
7. Explain the process of IPv6 Network configuration in Linux.