

Tribhuvan University
Institute Of science and technology
2069

Bachelor Level/Fourth Year/Eighth Semester/Science

Computer Science and Information Technology
(CSc. 453 — Advance Networking with IPv6)

Full Marks: 60

Pass Marks: 24

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.

(10x6=60)

1. What do you mean by networking protocols? Mention the OSI model.
2. Explain the IPv6 and its features.
3. What do you mean by neighbor discovery processes? Explain the MTU discovery
4. Explain the security features and quality of services in IPv6.
5. What do you mean by IPv6 routing? Explain the OSPF for IPv6.
6. Explain the migration strategies from IPv4 to IPv6.
7. How can you configure IPv6 network in Linux and windows machines? Explain.
8. Write short notes on (any two):
 - a. Accost
 - b. MLD
 - c. Threats
 - d. DVMRP