Tribhuvan University
Institute of Science and Technology
2071
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Bachelor Level/ Fourth Year/Eight Semester/Science Full Marks: 60
Computer Science and Information Technology-(CSc.453) Pass Marks: 24
(Advance Networking with IPV6) Time: 3 hours.

Candidates are required to give their answers on their own words as for practicable.
The figures in the margin indicate full marks.

Attempt any SIX questions. **6x10=60**

1. Define OSI model. Explain the Unidirectional Link Routing.

2. Explain the feature of IPv6 and its addressing.

3. Explain the ICMPv6 message format with example.

4. Explain the IPSEC framework and QoS paradigms.

5. What do you mean by PIM-SM and DVMRP for IPv6? Explain.

6. What are the migration strategies from IPv4 to IPv6?

7. Explain the process of IPv6 Network configuration in Linux and windows machines.

8. Short notes on (**any two**):

   a. Tunneling

   b. NAT-PT

   c. IPV6 deployment

   d. OSPF for IPv6

   e. MLD