

Tribhuvan University
Institute of Science and Technology
2070

Bachelor Level/ Fourth Year/ Seventh Semester/ Science
Computer Science and Information Technology (CSc-407)
(Network and System Administration)
Full Marks: 60 | Pass Marks: 24 | Time: 3 hours.

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

The figures in the margin indicate full marks.

Attempt all questions.

1. a) Explain the protocol standard. Differentiate between OSI and TCP/IP.
b) Explain Routing and its applications.
2. a) Explain the linux client/server installation process.
b) Explain system management with partition creation and deletion.
3. a) Explain the firewall configuration in windows.
b) What do you mean by IPV6 addressing? Explain with example.
4. a) Define DHCP. Explain the DHCP server configuration.
b) Explain the DNS principles and operations.
5. a) How can you configure the HTTP server? Explain.
b) Explain the proxy caching server configuration.
6. a) Explain the process of NFS and NFS client configuration.
b) What do you mean by SAMBA SWAT? Explain the FTP principles.
7. Write short notes on **(any three)**:
 - a. Proxy ACL
 - b. CUPS configuration
 - c. RAID
 - d. Static and Dynamic Routing
 - e. SPAM control