

Tribhuvan University
Institute of Science and Technology

2073

Bachelor Level/ Fourth Year/ Seven Semester/ Science
Computer Science and Information Technology (CSC-407)
(Network and System Administration)
(NEW COURSE)

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 the questions.

- 1.a) Differentiate between windows and Linux Networking system.
b) What are the major differences between switching and routing? Explain.
- 2.a) Explain the job scheduling with crontab.
b) Differentiate between Linux and windows firewall configuration.
- 3.a) Explain the steps of DHCP server configuration.
b) What do you mean by DNS zone transfers? Explain.
- 4.a) Explain the proxy caching server configuration.
b) Explain the HTTP Server configuration.
- 5.a) Explain the FTP principles with example.
b) What are the process of SAMBA configuration? Explain.
- 6.a) What do you mean by SPAM? Explain the steps of SPAM filtering.
b) Explain the process of mail server configuration.
7. Write short notes on (any three):
 - a. TCP|IP
 - b. DNS Delegation
 - c. Proxy ACL
 - d. IMAP principles
 - e. Team Viewer

IOST, TU