

Tribhuvan University
Institute of Science and Technology

2070

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) 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

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