

Tribhuvan University
Institute of Science and Technology

2072

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 standards with example.
b) What do you mean by Routing? Explain with example.
- 2.a) Explain the process of online server upgrade.
b) Explain steps of server and client installation.
- 3.a) Explain the network interface configuration.
b) Explain the DHCP server configuration.
- 4.a) How can you secure the DNS server? Explain.
b) Explain the DNS principle and operations.
- 5.a) What do you mean by virtual hosting? Explain with example.
b) Explain the proxy-Authentication Mechanisms.
- 6.a) Explain the NFS client configuration with example.
b) Explain the process of CUPS configuration.
7. Write short notes on (any three):
 - a. MySQL
 - b. IPv6
 - c. HTTP caching
 - d. SCP
 - e. SPAM control