Tribhuvan University
Institute of Science and Technology

2071

Bachelor Level/ Fourth Year/ Seven Semester/ Science   Full Marks: 60
Computer Science and Information Technology (CSC-407)   Pass Marks: 24
(Network and System Administration)   Time: 3 hours
(NEW COURSE)

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 TCP/IP and its application. What do you mean by Routing?
  b) Explain the process of linux client/server installation.
2.a) Explain the quota management in UNIX system.
  b) How to use network troubleshooting commands? Explain.
3.a) How can you configure the DHCP server? Explain.
  b) Differentiate between DNS zone transfers and DNS delegation.
4.a) How can you configure the proxy server? Explain.
  b) What is virtual hosting? Explain the HTTP caching.
5.a) Define the SAMBA. Explain the process of SAMBA with SAMBA-SWAT.
  b) What do you mean by FTP? Why is FTP used?
6.a) Explain the SMTP relaying principles.
  b) How can you control the SPAM in mail server? Explain.
7. Write short notes on (any three):
  a. MySQL
  b. ICP wrappers
  c. DNS Cache
  d. IMAP
  e. SCP