Bachelor Level / Fourth Year / Seven Semester/Science
Computer Science and Information Technology
(CSc. 407 - Network and System Administration)
(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 any Five questions.

1. (a) Explain the protocol standards. Differentiate between OSIO and ICP/IP. (4+4)
(b) Explain the Routing and its application. (4)

2. (a) Explain the Linux client/server installation process. (6)
(b) Explain the system management with partition creation and deletion. (6)

3. (a) Explain the firewall configuration in windows. (6)
(b) What do you mean by IPv6 addressing? Explain with example. (6)

4. (a) Define the DHCP. Explain the DHCP server configuration. (2+4)
(b) Explain the DNS principles and operations. (6)

5. (a) How can you configuration the HTTP server? Explain. (6)
(b) Explain the proxy caching server configuration. (6)

6. (a) Explain the process of NFS and NFS client configuration. (6)
(b) What do you mean by SAMBA SWAT? Explain the FTP principles. (3+3)

7. Write short notes on (any three): (4x3=12)
(a) Proxy ACL
(b) CUPS configuration
(c) Static and dynamic Routing
(d) SPAM control
(e) RAID
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Attempt any Five questions.

1. (a) Explain the TCP/IP and its application. What do you mean by Routing. (3+3)
   (b) Explain the process of Linux client/server installation. (6)

2. (a) Explain the quota management in Unix system. (6)
   (b) How to use network troubleshooting commands? Explain. (6)

3. (a) How can you configure the DHCP server? Explain. (6)
   (b) Differentiate between DNS zone transfers and DNS delegation. (6)

4. (a) How can you configuration the proxy server? Explain. (6)
   (b) What is virtual hosting? Explain the HTTP caching. (3+3)

5. (a) Define the SAMBA. Explain the process of SAMBA with SAMBA – SWAT. (6)
   (b) What do you mean by FTP? Why is FTP use? (6)

6. (a) Explain the SMTP relaying principles. (6)
   (b) How can you control the SPAM in mail server? Explain. (6)

7. Write short notes on (any three): (4x3=12)
   (a) My SQL
   (b) ICP wrappers
   (c) DNS CACHE
   (d) IMAP
   (e) SCP