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 Reference Model. (4)
     b.) what do you mean by switching and routing? Explain the routing algorithm. (6)

2.) a.) Explain the job scheduling with cron. (5)
     b.) Explain the network interface configuration. (6)

3.) a.) How can you diagnose network startup problem? Explain. (6)
     b.) How can you use network troubleshooting command? Explain. (6)

4.) a.) Differentiate between IPV4 and IPV6 addressing. (6)
     b.) Explain the dynamic host configuration protocol (DHCP) principle. (6)

5.) a.) What do you mean by primary and slave name server? Explain. (6)
     b.) Explain the DNS and its principles. (6)

6.) a.) Explain the configuration process of HTTP server. (6)
     b.) Explain the proxy-authentication mechanisms. (6)

7.) a.) Write short notes on (any three):
     * LVM
     * TP tables
     * DNS delegation
     * proxy ACT
     * SSH
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 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 and 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
New Course

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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 configure 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 used? (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): (4*3=12)
   a.) MySQL
   b.) ICP wrappers
   c.) DNS CACHE
   d.) IMAP
   e.) SCP
Bachelor Level/ Fourth Year/ Seventh Semester/ Science

Full Marks: 60

Pass Marks: 24

Time: 3 hours.

Candidates are required to give their answers in their own words as far as practicable.

Group A

Attempt any Five Questions

1. a) Explain the protocol standards with example. (6)
   b) What do you mean by Routing? Explain with example. (6)

2. a) Explain the process of online server upgrade. (6)
    b) Explain steps of server and client installation. (6)

3. a) Explain the network interface configuration. (6)
    b) Explain the DHCP server configuration. (6)

4. a) How can you secure the DNS server? Explain. (6)
    b) Explain the DNS principle and operations. (6)

5. a) What do you mean by virtual hosting? Explain with example. (6)
    b) Explain the proxy-Authentication Mechanisms.

6. a) Explain the NFS client configuration with example. (6)
    b) Explain the process of CUPS configuration.

7. Write short notes on (any three): (4x3)
   a) MySQL
   b) IPv6
   c) HTTP caching
   d) SCP
   e) SPAM control

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Candidates are required to give their answers in their own words as far as practicable.

(NEW COURSE)

**Group A**

**Attempt any Five Questions**

1. a) Differentiate between windows and linux Networking system
   b) What are the major differences between switching and Routing? Explain with example.

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**): (4x3)
   a) TCP/IP
   b) DNS delegation
   c) Proxy ACL
   d) IMAP principles
   e) Team Viewer

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