Tribhuvan University
Institute of Science and Technology
2082
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Bachelor Level / Fourth Year / Eighth Semester/ Science
Computer Science and Information Technology (CSC472)
(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 for as practicable.
The figures in the margin indicate full marks.

Section A
Long answer questions
Attempt any TWO questions   **(2 × 10 = 20)**

1. Differentiate between Xinetd and Inetd. Illustrate the process of managing accounts.   [4+6]

2. What do you understand by network interface? Explain any one method of configuring network interface.   [3+7]

3. Illustrate on the proxy caching server configuration? What are the uses of proxy caching server?   [6+4]

Section B
Short answer Questions
Attempt any EIGHT questions   **(8 × 5 = 40)**

4. How SPAM control and filtering is carried out? Explain.   [5]

5. What are FTP principles? Explain the need of the anonymous FTP server.   [2+3]

6. Define DNS delegation. Explain how it works.   [2+3]

7. What is DHCP reservation? How is it different from DHCP relay?   [3 +2]

8. How routing configuration is carried out in SDN?   [5]

9. Explain logical volume manager in Linux.   [5]

10. Differentiate between IPv4 and IPv6.   [5]

11. Explain how quota management is carried out.   [5]

12. Write short notes on   [2x2.5=5]
    a) Samba
    b) Virtual hosting