

Tribhuvan University
Institute of Science and Technology

2069

Bachelor Level/ Fourth Year/ Seven Semester/ Science
Computer Science and Information Technology (CSc. 402)
(Internet Technology)

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 Any Five Questions:

1. [a] What are Teleports and Terrestrial Links? Explain the practical approach of IP address distribution in this world. [8]
[b] Explain Internet System development history with the growth of World Wide Web. [4]
2. [a] What is RFC? Explain the TCP/IP Protocol Hierarchy. [2+4]
[b] Describe the Features and Benefits of enabling TCP/IPv6 in your machine for communication management. [6]
3. [a] Explain the features of XML with its basic syntax. [4]
[b] Describe basic Internet server configuration steps with example. [8]
4. [a] What would be your proper choice of platforms to build your secure internet system? Describe on behalf of the choice of hardware and software system. [8]
[b] What are the intranet implementation guidelines? [4]
5. [a] What is Unified Messaging System? Explain the purpose and requirement of National Data Centers. [2+4]
[b] What is VoIP? Explain its different flavor with its benefits and drawback. [6]
6. Explain the conceptual development of Intranet System by considering network design, resource assessments and security issues. [4+4+4]
7. Write down notes on (any Three)
 - a) Content Design Management and Issues
 - b) PGP
 - c) IRC and its features/benefits
 - d) Proxy Arrays
 - e) Internet Security and Content Filtering Issues