

**Tribhuvan University
Institute of Science and Technology
Model**

Bachelor Level / seventh-semester / Science

Computer Science and Information Technology(O-CSC402)

(Internet Technology (old syllabus))

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

The figures in the margin indicate full marks.

Full marks: 60

Pass marks: 24

Time: 3 hours

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