

Tribhuwan University
Institute of Science and Technology
2073(New Course)

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 all the questions.

1. What are teleports and terrestrial links? What are the components of satellite communication?
2. In internet protocol suite, what are the basic functions performed by the Internet Protocol Discuss about the TCP header structure,
3. What are the advantages of using tiered technology? Describe the possible data transfer modes that FTP can use.
4. How universal naming is done with URI? Given a URI string "foo://password @username.com/index.php?type=sure#test". Now, identify schema name, hierarchical part, query,and fragment in the string.
5. How XMLHttpRequest sends a request to a server? How responseText property differs from responseXML.
6. What are the proxy servers? Differentiate each of open, forward and reverse proxy servers.
7. What is the role of Mail User Agent (MUA) in mail servers? How webmail differ from POP3 mails.
8. What is the use of proxy arrays in load balancing? Discuss about the load balancing approaches
9. Describe the key features of e-commerce over traditional commerce?
10. What do you mean by multimedia broadcasting? How Gopher differs from HTTP?