

Tribhuvan University
Institute of Science and Technology
2075

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 questions.

1. How DNS name server stores DNS records? Discuss how DNS resolver handles forward and reverse lookup? (2+4)
2. Discuss how optical backbone and marine cables can be used to configure internet backbone networks? (6)
3. Describe different types of nags (control hits) that appear in TCP header. (6)
4. What is universal internet browsing? Describe how IMAP differs from POP? (2+4)
5. What do you mean by WML card and deck'? Write a program to create two WML cards in a deck. (3+3)
6. How DHTML differs from HTML? How XML elements having attributes are created in XML document, illustrate with an example. (2+4)
7. What do you mean by proxy servers? How proxy servers can be used for filtering, caching and load balancing? (1+5)
8. Define Mail Server. What are the roles of Mail Transfer Agent (MTA), Mail Delivery Agent (MDA), and Mail User Agent (MUA) in email System? (1+5)
9. Discuss the intranet implementation guidelines. What issues need to be considered while implementing intranet? (4+2)
10. Define e-commerce. Discuss the unique features of e-commerce that makes it better than traditional commerce. (1+5)