

Tribhuvan University
Institute of Science and Technology
2079
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Bachelor Level / Fourth Year /Seven Semester/Science
Computer Science and Information Technology-(CSC. 402)
(Internet Technology)
(OLD COURSE)

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 all questions.

1. Discuss about local, national and regional internet registry with examples. [6]
2. Discuss the IP header fields. [6]
3. What is IMAP? How IMAP works? [2+4]
4. Describe the concept of universal naming with URI. Support your answer with examples. [4+2]
5. Differentiate responseText and responseXML properties in AJAX. [6]
6. Differentiate forward, open and reverse proxies with examples. [6]
7. Consider you are assigned to perform load balancing. Discuss how you can use weighted round robin and dynamic round robin allocation for the load balancing. [6]
8. What is the use of firewall? Discuss different types of firewalls. [2+4]
9. How voluntary tunneling differs from compulsory tunneling? What is working mechanism of point-to-point tunneling protocol? [3+3]
10. What is internet relay chat? Discuss the internet relay chat protocol services. [2+4]