

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

**2073**

Bachelor Level/ Fourth Year/ Seven Semester/ Science  
Computer Science and Information Technology (CSc. 402)  
(Internet Technology)  
(NEW 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. What are the roles of internet registrars? Define the generic top level domains.
2. What are RFCs? How IPV6 addressing schema differs from IPV4.
3. HTTP protocol is often called connectionless. Justify the statement. How FTP can be run in passive and active mode?
4. What is the role of rendering engines in web browsers? How browser renders contents like text and images?
5. What do you mean by proxy server? Describe the uses of proxy servers.
6. Describe how RADIUS server provides Authentication, Authorization and Accounting services.
7. Describe the different fields of cookie. How session cookie differs from persistent cookie.
8. How use of firewalls ensures security of a network? Discuss about different types of firewalls.
9. What is cloud computing? Mention the features of cloud computing.
10. What are the benefits of intranets? What network infrastructure needs to be established for intranets?

**IOST, TU**