

**Tribhuvan University**  
**Institute of Science and Technology**  
**2073**

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 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?**