

**Tribhuwan University**  
**Institute of Science and Technology**  
**2071**

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. a) Explain the history and development of Internets and Intranets.**

**b) Explain the Domain Name System and its uses.**

**2. a) Discuss the IP layer and its importance.**

**b) Explain the IPv4 and IPv6 with header structure.**

**3. a) Explain the Universal Internet Browsing.**

**b) Mention the different types of protocols and compare them.**

**4. a) Differentiate between WML and XML.**

**b) Explain the WYS/WYG Authoring tools.**

**5. a) Explain the load balancing and its applications.**

**b) Define the cookies.**

**6. a) Explain the tunneling protocols with example.**

**b) What are the benefits and drawbacks of internet?**

**7. Write short notes on (any three):**

**a. Tele Ports**

**b. Internet RFCs**

**c. Multi-Protocol Support**

**d. Net application**

**e. Data centers**