

**Kathmandu University**

**In semester Examination-II**

**Subject: Data Communication and Computer Network (COMP 204)**

**Level: C.S**

**Time: 1 hr.**

**F.M.: 20**

Attempt ALL questions.

- ✓1. Compare between leaky bucket and token bucket algorithm with the operation how token bucket works. [3]
- ✓2. Explain the working mechanism of CDMA and write down its associated properties. Find the chips for a network with 2 stations. [6]
3. A host has the IP address 198.22.45.173/26. What is the network address, broadcast address, and valid host addresses for the IP subnet of which the host is a member of? [3]
4. Write short notes on: (4\*2 =8)
  - a) TCP
  - b) HTTP
  - c) NAT implementation
  - d) DNS