

KATHMANDU UNIVERSITY  
Department of Computer Science and Engineering  
Second Internal Examination July 23, 2025

Group: CS II/II  
Course: Comp 204

Time : 1 hr  
Full marks: 20

1. Explain the working mechanism of CDMA in detail with suitable example. Also state the properties associated to the calculation in CDMA. (3+2)
2. What do we mean by congestion in the network? How congestion is handled using traffic shaping technique? (1+4)
3. How does TCP handshaking protocol executes? Discuss the TCP header with diagram. (2+3)
4. Explain network security and its importance. State the difference between symmetric encryption and asymmetric encryption. (2+3)