



Tribhuvan University
Faculty of Humanities & Social Sciences
OFFICE OF THE DEAN

2024

Bachelor in Computer Applications
Course Title: Network Programming
Code No: CACS 355
Semester: VI

Full Marks: 60
Pass Marks: 24
Time: 3 hours

Candidates are required to answer the questions in their own words as far as possible.

Group B

Attempt any SIX questions.

[6×5 = 30]

2. Describe the process of reading the Header using URL Connection. [5]
3. Explain about X-www-form URI Encoder and URI Decoder with example. [2.5+2.5]
4. What are significance to control HTTP Keep-Alive system properties. Write a Program for a cookie policy that blocks all .gov cookies but allows others. [2+3]
5. What is Java Secure Sockets Extension? Write a program for creating secure sockets with tufoshss.edu.np. [2+3]
6. Explain central abstractions of Java NIO. [5]
7. Describe about UDP Socket Option and Write a Program for Scanning Local UDP Ports from 1024 port to up. [2.5+2.5]
8. Define Multicast Group, and briefly explain the process of working with Multicast Sockets? [2+3]

Group C

Attempt any TWO questions.

[2×10 = 20]

9. Explain factory method with example. Write a program to download webpage. [5+5]
10. What are the key differences between Socket and Server Socket? Create a simple console chat application using TCP socket. [3+7]
11. a) Write a program to calculate area of triangle using RMI. [6]
b) Write a program to list out all the interfaces. [4]