

National University of Computer and Emerging Sciences, Lahore Campus

Computer Networks (Code: CS3001)

Assignment 3 [Section BCS 5C-5D-5E] Fall 2023

Due Date: Sec E: Oct 30, 2023

Sec C and Sec D: Oct 31, 2023

Time: During Class

Marks: 65

Please note the following:

1. No exceptions to the above date and time will be allowed. Inability to submit the assignment by the required time will result in zero marks.
2. To ensure self-completion of assignments and discourage plagiarism, the instructor or the relevant TA may randomly contact you and ask for an explanation of your answers. Where plagiarism and/or cheating is evident, you will be referred to the departmental disciplinary committee. In extreme cases of plagiarism, an F may be awarded immediately with further referral to university disciplinary committee.
3. All solutions must be **handwritten**.
4. **Assignment Solution Submission:** Each student will submit the hard copy of the handwritten assignment's solution to the Instructor / TA directly in case classes are conducted **on the campus (The current scenario)**. Otherwise, in the case of **online classes (exceptional scenario)**, handwritten assignments will be scanned into one PDF document and submitted online via **Google Classroom**. The file or folder name should contain your roll number and assignment number, i.e. (**##L-####_A#**). If you are making multiple submissions, write "Updated" at the end, i.e. (**##L-####_A#_Updated**).

Use the following text for completion of this part of the assignment:

**Computer Networking - A Top-Down Approach 8th Edition by Kurose & Ross.
Chapter 3 Exercise Questions**

Part 1: Answer the following review questions (Chapter 3 Review Questions). Every Question has equal marks. (**5 x 3=15 marks**)

Review questions: R6, R7, R9, R10, R11

Part 2: Solve the following problems from the book Chapter 3 Problems. Every Question has equal marks except the last question that is of 10 marks i.e. (**10x5=50 marks**)

Problems: P3, P4, P5, P16, P26, P27, P31, P37, P51, P52