



Assignment No. 01
Semester: Spring 2021
CS610: Computer Network

Total Marks: 15

Due Date: 17th May, 2021

Instructions:

Please read the following instructions carefully before submitting assignment:

You need to use MS word document to prepare and submit the assignment solution on VU-LMS.

It should be clear that your assignment will not get any credit if:

- The assignment is submitted after due date.
- The submitted assignment is not in the required format (doc or docx).
- The submitted assignment does not open or file is corrupt.
- The submitted Assignment is copied (partial or full) from any source (websites, forums, students etc.).

Objectives:

To enhance the learning capabilities of the students about:

- Probing the Internet
- Sending files in a shared network
- Concept of packets in a shared network

Assignment

Question No. 1

Using a proper probing tool on Command Line Interface (CLI) in your computer/laptop, obtain the route information of www.vu.edu.pk up to 3 hops. Take the complete screenshot containing the related command and the result. Paste the screenshot as your solution in MS Word file.

Question No. 2

- a) Suppose in a shared network of five computers, a 15 MB file is transferred by a computer without breaking down into packets across the network with 56Kpbs capacity. You are required to calculate the time in minutes that it will take to transfer this file.

Note: You need to write all necessary formula(s) and calculation steps to give your answer.

- b) Now, if the same file is broken into 2000 bytes packets, then you are required to calculate the time in seconds that other computers must wait before beginning of data transfer.

Note: You need to write all necessary formula(s) and calculation steps to give your answer.

Best of Luck!