Department of Computer Engineering TE Computer-A (2020-21 Sem I) Computer Networks

Practical Assignment 2 [Max Marks: 10]

Instructions:

Software Required

• OS: Linux (Ubuntu/Fedora)

Language: C/C++Tool: Wireshark

Upload separate files with comments for each option

Example: For 2a option: RollNo_2a_Sever.cpp and RollNo_2a_Client.cpp RollNo_2a.cap (Wireshark capture file)

Total No. of files required=10 (3files for each option -2a, 2b, 2c or 2d + RollNo_2output.pdf (screen shots of all three options-2a, 2b and 2c))

Assignment Questions:

Lab Assignment on Unit V: (Mandatory Assignment) (Use C/C++)

Write a program using TCP socket for wired network for following

- a. Say Hello to Each other (For all students)
- b. File transfer (For all students)
- c. Calculator (Arithmetic) (50% students) (Batch T1-Roll No. 3301-3311, Batch T2-Roll No. 3323-3333, Batch T3-Roll No. 3345-3355)
- d. Calculator (Trigonometry) (50% students) (Batch T1-Roll No. 3312-3322, Batch T2-Roll No. 3334-3344, Batch T3-Roll No. 3356-3365)

Demonstrate (Analyze) the packets captured traces using **Wireshark Packet Analyzer** Tool for peer to peer mode.

Rubrics for Evaluation (Example)

Question No.	Criteria	Best [4]	Good [3]	Average [2]	Poor [1]
Q1	Completeness [4]	Perfect	Can be better	Satisfied	Poor
[10 marks]					
	Uniqueness [3]	Perfect	Can be better	Satisfied	Poor
	Documentation/Comments [3]	Perfect	Can be better	Satisfied	Poor

Prof Nikita Singhal DR SR Dhore (Subject Incharge) (HoD)