(CN Lab Quiz)

Weightage: 5 Absolutes

Total Marks: 45

Time: 2hr

Quiz Rules:

1. Only quiz should be opened on screen.
2. **NO** discussion/talking during the quiz.
3. **All 16 questions are mandatory.**
4. Write your answers on this file and submit within the deadline.
5. Use of Google Chrome or any browser is strictly **prohibited.**
6. Using ubuntu/code runner/any software is **not allowed.**
7. Put mobiles in bag. If any mobile is seen on the desk, **student will be disqualified.**
8. Rename your file before submitting to Roll#\_Name eg. XXLXXXX\_NAME

*If any student is seen breaking any of the above rules, he/she will be marked zero and attendance will be marked Absent as well.*

Name: Roll no:

1. What is meant by IP address? [1]

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1. What is more suitable, increased network latency or decreased network latency? [2]

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1. What is software category is Wireshark, and what is its main use in network analysis? [4]

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1. How can we make our loop go to end of file in c if we do not know the number of iterations? [1]

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1. What does HTTP stand for, and what is its role in web communication? [4]

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1. What are client and server machines? explain with example. [5]

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1. What is a socket? [2]

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1. What is the command to COMPILE YOUR FILE using gcc compiler? [1]

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1. How do you open a file for reading in C? Provide an example. [2]

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1. What is the purpose of the fclose function in C, and why is it important to use it after file operations? Give example C code. [2]

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1. How do you compile a C source file named "example.c" into an executable program using GCC? [2]

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1. What are some common protocols or technologies that Wireshark can analyze and decode within captured network packets? Provide examples of a few. [4]

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1. Give one example of network response code and describe what it means? [2]

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1. Describe what is an OSI Model? Describe each layer. [5]

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1. Describe the purpose of each command [1 each]
2. Top

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1. Ps

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1. Kill pid

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1. Chmod

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1. Host

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1. Ping

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