**Assignment**

**Computer networks**

Using Packet Tracer simulator, create an internetwork that consists of five networks (N1, N2, N3, N4, and N5) that are connected through a router. Each of the connected networks is assigned a block. Any host can send a packet to any other host on these connected networks. The properties of these connected networks are listed in the following table:

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Network name** | **# of hosts on the network** | **Assigned block size** | **Network address** | **Mask** |
| **N1** | **9** | **16** | **132.119.23.0** | **/28** |
| **N2** | **8** | **16** | **132.119.23.16** | **/28** |
| **N3** | **7** | **16** | **132.119.23.32** | **/28** |
| **N4** | **5** | **8** | **132.119.23.48** | **/29** |
| **N5** | **4** | **8** | **132.119.23.56** | **/29** |

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Deadline: 22/5/2021 11 PM (Late turn-ins not allowed)

Submission will be on Microsoft Teams and only one member in the group has to submit the assignment. Please attach two files one contains (.pkt) your work and one contains (word or text file) the names of the group members and their numbers and their section number.

The students have to divide themselves into groups of 4 (from the same section).

There will be a discussion after the deadline and not attending the discussion means your mark will be zero.