

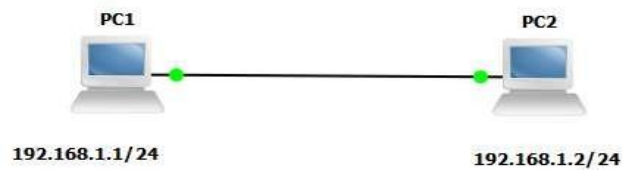
## **LAB: Assignment 5**

**Objective:** To create simple **Network Topologies Using GNS**.

**Instructions:** The instructor is required to discuss the following questions with the students. Students are required to make solution for each question and check connectivity using PING command.

Q1. Demonstrate the working of **Address Resolution Protocol (ARP Protocol)** with using **Wireshark**.

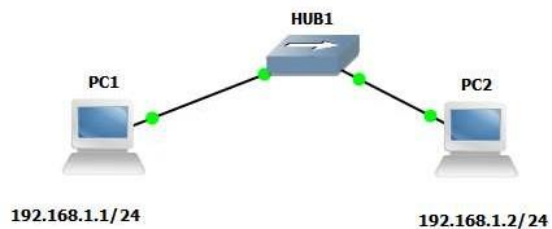
Q2. Connect one PC with another PC as per diagram below.



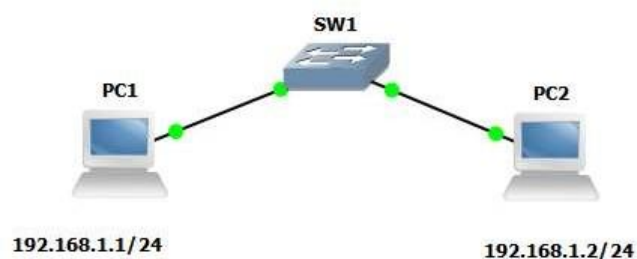
Q3. Connect a PC with Router Ethernet port as shown below.



Q4. Create a network of 2 PCs as below.



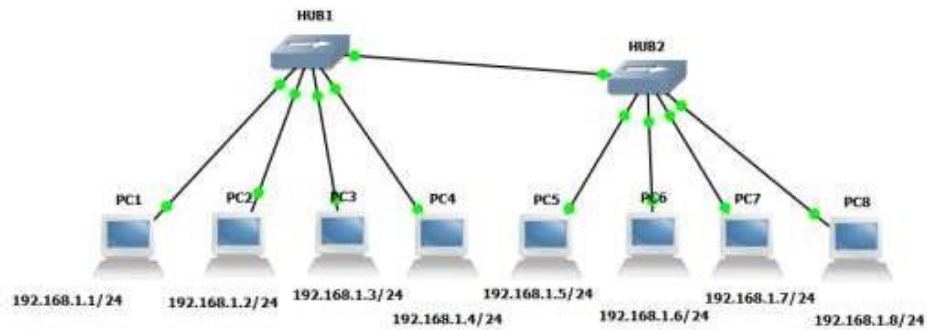
Q5. Connect 2 PCs with a Switch below.



Q6. Create BUS topologies as below.

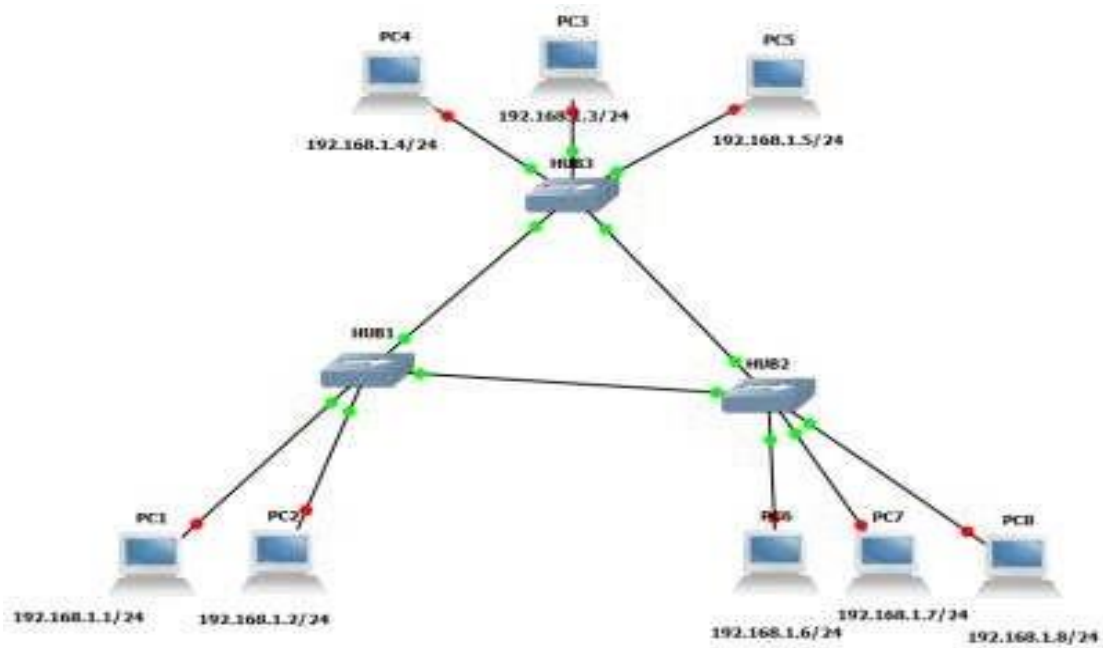


(a)

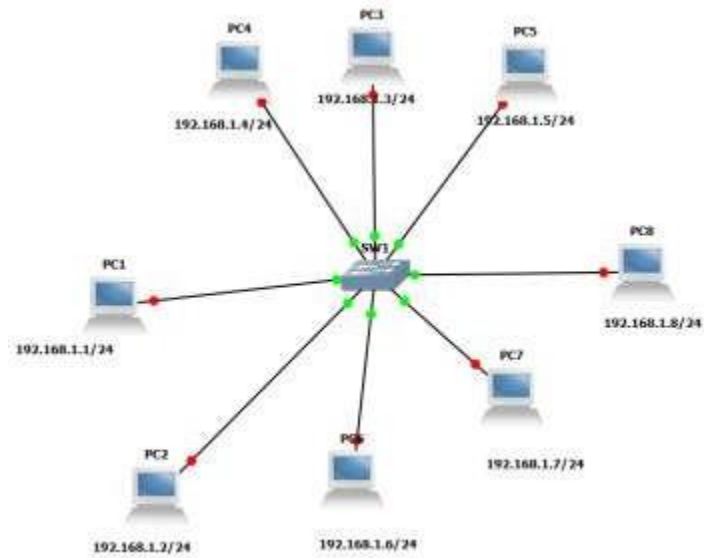


(b)

Q7. Create the following Ring Topology.



Q8. Create the following Ring Topology.



Q9. Create the following Tree Topology.

