

**Course Name:** Networks & Communications

**Course Code:** CSE 205

## Practice Assignments 2.1

**Student's Full Name:**

**Student ID:**

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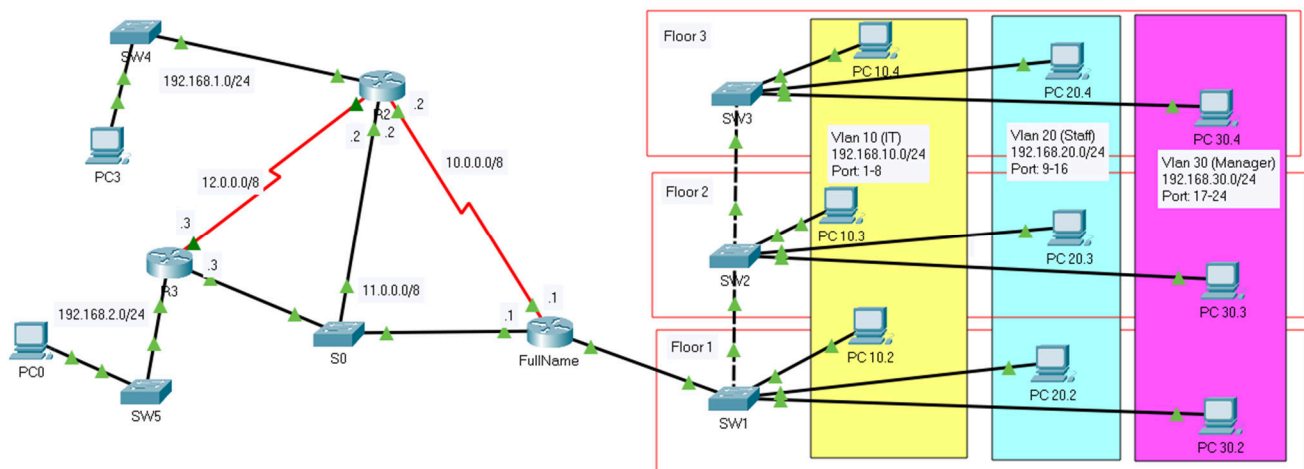
### **Instruction:**

\* Students are allowed to write their answers in a word file (Answer sheet) provided by instructor. After finishing the assignment, students must convert the word file (Answer sheet) into a PDF file. The PDF file should have name in the following format “Mã số SV\_Họ và tên SV\_LabX.Y.pdf”. Finally, students upload the file in Moodle.

\* PDF file should have screenshot of network design, screenshot or written code of each network and device configuration (like router, switch, etc.) and screenshot of the output of every instruction.

## Configuring VLANs and Routing (RIPv2)

### Topology



## Addressing Table

Device	Interface	IP Address	Subnet Mask	VLAN
PC 10.2	NIC	192.168.10.2	255.255.255.0	10
PC 10.3	NIC	192.168.10.3	255.255.255.0	10
PC 10.4	NIC	192.168.10.4	255.255.255.0	10
SW1	VLAN 10	192.168.10.252	255.255.255.0	10
SW2	VLAN 10	192.168.10.253	255.255.255.0	10
SW3	VLAN 10	192.168.10.254	255.255.255.0	10
R(FullName)	G0/0.10	192.168.10.1	255.255.255.0	10
...				
PC 20.2	NIC	192.168.20.2	255.255.255.0	20
PC 20.3	NIC	192.168.20.3	255.255.255.0	20
PC 20.4	NIC	192.168.20.4	255.255.255.0	20
R(FullName)	G0/0.20	192.168.20.1	255.255.255.0	20
....				
PC 30.2	NIC	192.168.30.2	255.255.255.0	30
PC 30.3	NIC	192.168.30.3	255.255.255.0	30
PC 30.4	NIC	192.168.30.4	255.255.255.0	30
R(FullName)	G0/0.30	192.168.30.1	255.255.255.0	30
...				

**Part 1: Basic Configuration (Name, Password, ...)**

**Part 2: IP Configuration**

**Part 3: VLAN Configuration and Inter-VLAN Routing Configuration**

**Part 4: RIPv2 Configuration**