

1st Apr 2022, 2:45pm – 4:00pm

Course Code: CL3001	Course Name: Computer Networks Lab
Instructor Name : Engr. M Kariz Kamal	
Student ID:	Section:
Total-Time: 75-Minutes	Total-Points: 40 points

Instructions:

- Read each question completely before answering it.
- Cheating in any case will lead to F-GRADE directly as per university rules.
- Submit proper pdf file with all the screenshots of required steps as guided earlier .pkt file as well.
- Late submission will result in marks deduction per minute.

Question # 1:**[15 points]**

A Fresh Network Graduate is called for an interview in an ISP. The recruitment team asked him about several problems. They showed him the network and asked him to configure the network as shown below in figure#1 topology and assign IP addresses dynamically using router to Laptops and PCs using servers respectively. Moreover, they want to exclude 90 IP addresses for their customers on both router and servers as well. Another key problem was that their FTP server was not working properly i.e they are unable to give full rights to users and send [your_name].txt file from PC0 to Laptop3. At last they want to send emails to each other which they are unable to by using server 2 with subject (CN lab mid exam k19[your ID]). Now put yourself in the place of that Network Associate and propose the solution of the problem asked by the recruitment team.

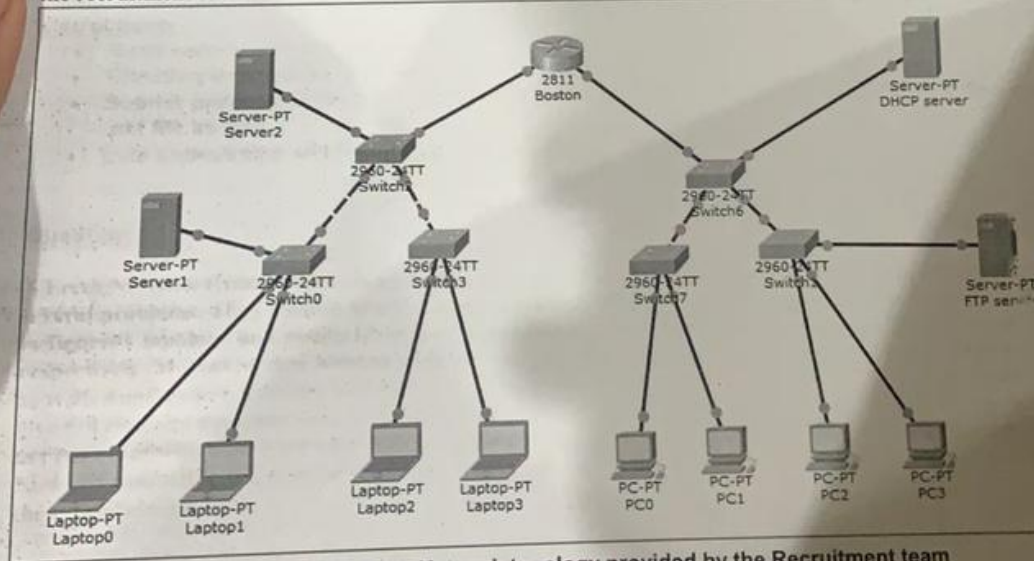


Figure #1: Network topology provided by the Recruitment team

Question # 2:

[25 points]

You have to configure IP address on all the devices dynamically via Router and make sure that all devices can communicate with each other except the devices which are on other side of the router as shown in Figure 2. Moreover, you have to perform DNS using server 2 whose address should be 10.0.0.11 and name should be your first name. Show the webpage in browser of any 2 devices searching with your name.

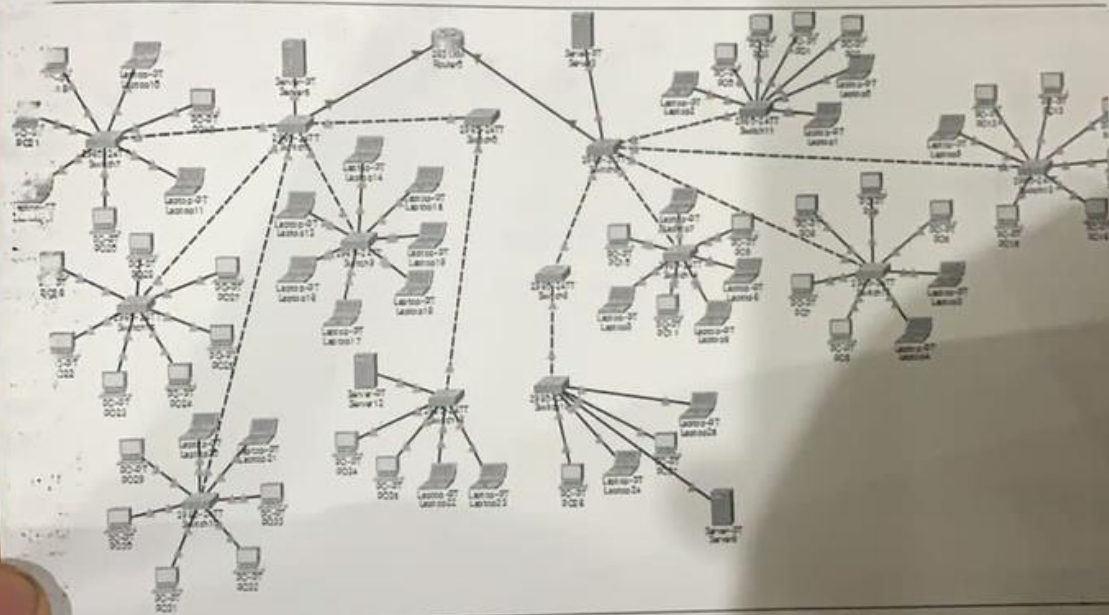


Figure #2: Network topology

"Patience is a Pillar of Faith"

BEST OF LUCK ☺