

Mid Exam

Total Marks : 25

Course: Computer Network Lab Sec: D

Please download the .pkt file from eLMS and answer the following questions:

1. How many networks are there? [1]
2. List all network addresses. [2]
3. Fill up the following tables: [2]

Device	Known Network Addresses	Unknown Network Addresses
Router 1		
Router2		
Router3		
Router4		

4. Fill up the following tables [5]

Device Name	Interface	Network Address	IP Address	Subnet Mask
Router1	Gig0/0/0			
	Gig0/0/1			
	Gig0/0/2			
Router2	Gig0/0/0			
	Gig0/0/1			
	Gig0/0/2			
Router3	Gig0/0/0			
	Gig0/0/1			
	Gig0/0/2			
Router4	Gig0/0/0			
	Gig0/0/1			
	Gig0/0/2			
Switch1	Fa0/1			
	Fa0/2			
Switch2	Fa0/1			
	Fa0/2			
Switch3	Fa0/1			
	Fa0/2			
PC0	Fa0			
PC1	Fa0			
PC2	Fa0			

PC3	Fa0			
PC4	Fa0			
PC5	Fa0			

5. Assign IP addresses to all the devices in the downloaded .pkt file. [5]
6. Configure static routing in all routers. After configuring, show the screenshot of the routing table of all routers. [5]
7. Configure RIP routing in all routers. After configuring, wait for 1 minute to let the routers populate their routing table. Then show the screenshot of the routing table of all routers. [5]

Submission:

Submit a .zip file containing the following two files:

1. A PDF file answering the all questions above. File name should be 11121045.pdf.
2. Two .pkt files. One for static routing and another for RIP routing. Files name should be 11121045_static.pkt and 11121045_RIP.pkt respectively.

Deadline: 11.59PM 11/04/22(No deadline extension request will be entertained)