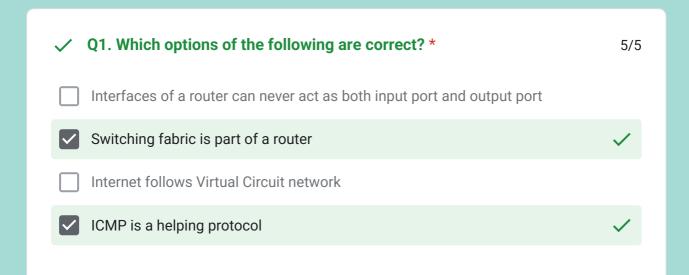
CSE421 Assignment 05 [MSMA | 2024 Fall]

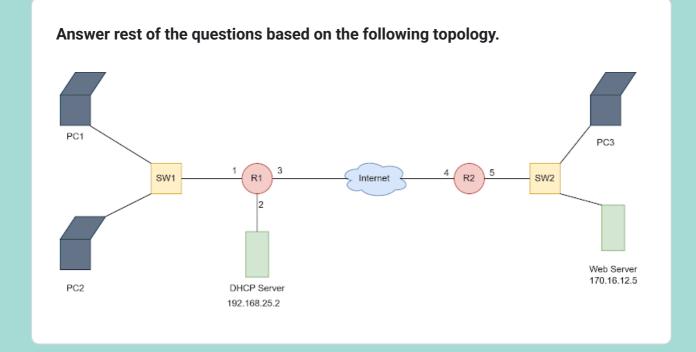
Total points 87.5/100



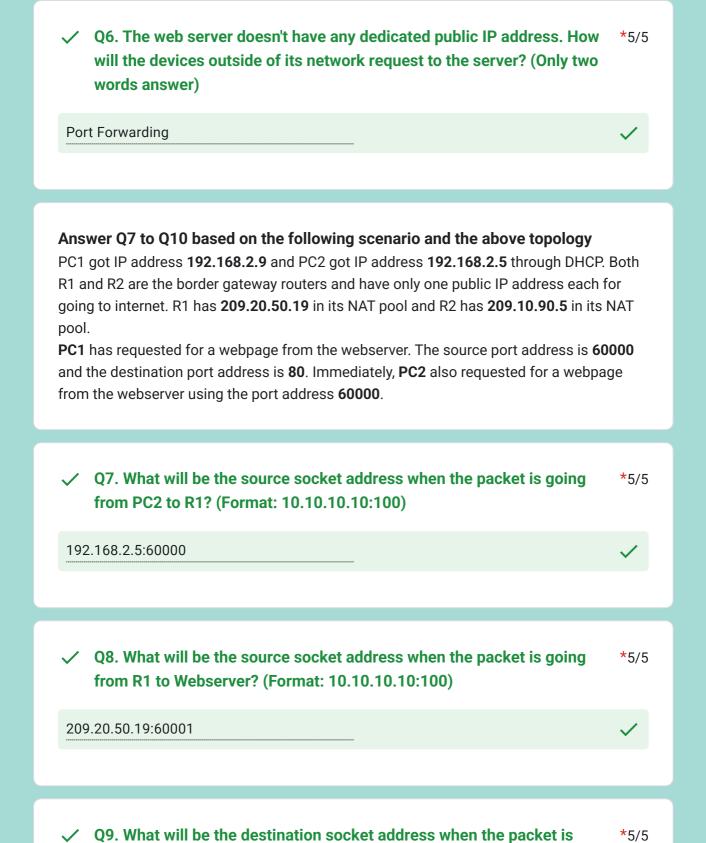
Answer all the questions in this form. You can submit only once even if you submit by mistake. So, make sure that your answers are put correctly by refreshing the page. Deadline: December 22, 2024 (Sunday) 11:59:59pm

[This is optional] Submit your workings through a pdf file. Naming Format: ID_Name





✓	Q2. Both PC1 and PC2 are the part of 192.168.2.0/24 network and they will get their IP address with the help of DHCP. Select the correct option	
0	No DHCP relay needed for the PCs to get IP configuration	
•	DHCP relay is needed to be set in port 1	✓
0	DHCP relay is needed to be set in port 2	
0	DHCP relay is needed to be set in port 3	
Corr	Q3. What will be the destination IP address when the DHCP Discover packet is going from PC1 to R1? (Format: 10.10.10.10) .255.255.0 ect answer .255.255.255	*···/5
✓	Q4. What will be the destination IP address when the DHCP Discover packet is going from R1 to DHCP Server? (Format: 10.10.10.10)	*5/5
192	.168.25.2	~
×	Q5. If both PC1 and PC2 want to go to internet at the same time how will that be done if R1 has only one public IP address? (Only one word answer)	*2.5/5
NAT		×
Corr	ect answer	



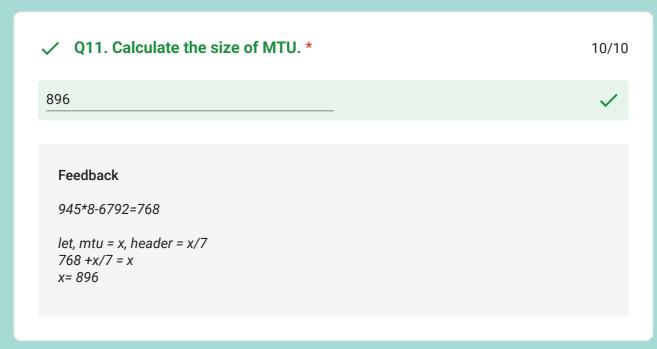
going from PC2 to R2? (Format: 10.10.10.10:100)

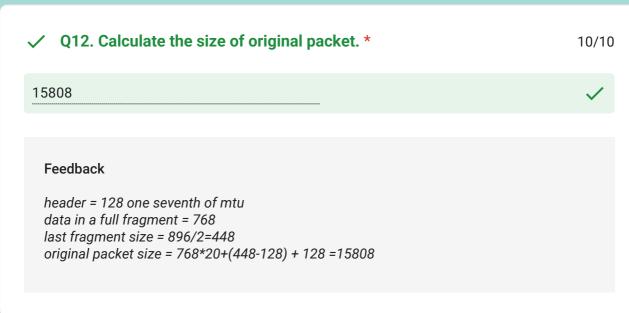
209.10.90.5:80

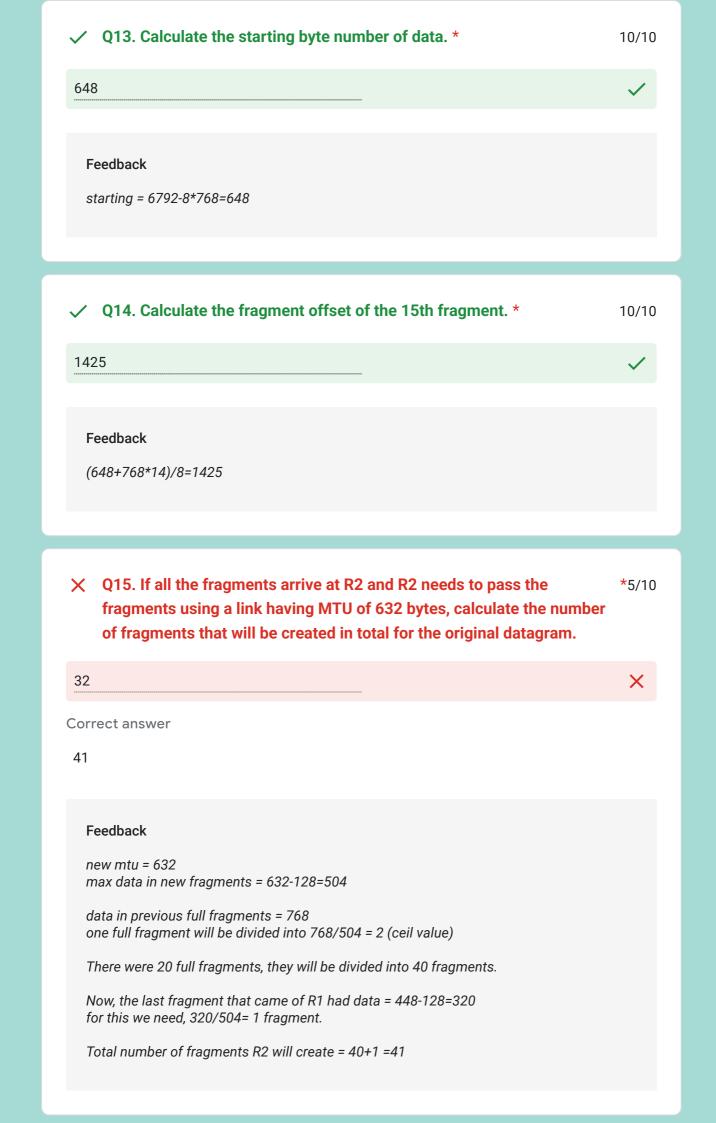


Answer Q11 to Q15 based on the following scenario and the above topology

The request packet R1 got from PC1 is **X** bytes. However, the MTU of link between R1 and Internet is less than X bytes. So, the packet got fragmented into **21 fragments** and one of them is **half of MTU**. The last byte number of the **8th fragment is 6791** and the fragment offset of the **10th** fragment is **945**. The header size is **one-seventh** of the MTU.







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