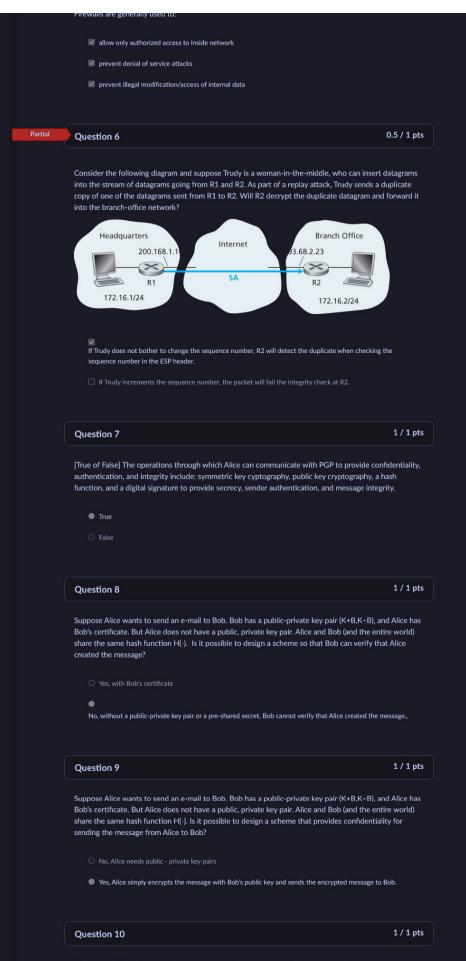
Question 5





[True of False] Consider sending a TCP segment from a host in 172.16.1/24 to a host in 172.16.2/24. Suppose the acknowledgment for this segment gets lost, so that TCP resends the segment. Because IPsec uses sequence numbers, R1 will not resend the TCP segment.

O Tru

False

1 / 1 pts Question 11 [True or False] Consider the following diagram: Branch Office Headquarters Internet 3.68.2.23 200.168.1. R1 172.16.1/24 172.16.2/24 When a host in 172.16.1/24 sends a datagram to an Amazon.com server, the router R1 will encrypt the datagram using IPsec. False 0 / 1 pts Question 12 In 4G LTE cellular systems, what is an International Mobile Subscriber Identity (IMSI)? A 64-bit identifier stored on a cellular SIM (Subscriber Identity Module) card that identifies the subscriber in the worldwide cellular carrier network system. Not quite. This answer is incorrect. Question 13 1 / 1 pts Which of the following statements is true about the link-level service of reliable data transfer (using ACKs) in WiFi (802.11) networks and in 4G cellular networks? Both WiFi and LTE provide link-level reliable data transfer. Nice! This answer is correct. Nice! This answer is correct. 0 / 1 pts Question 14

Which of the following statements is true about "sleep modes" that allow a wireless device to "sleep" and occasionally "wake up" as a technique for saving battery life?

Both WiFi and LTE provide sleep modes.

WiFi provides sleep modes but LTE does not.

O Neither WiFi nor LTE provide sleep modes

O LTE provides sleep modes but WiFi does not

Question 15

\*\*Which of the following statements is true about how 4G cellular networks (operated by different carriers/companies) connect together?

\*\*Which of the following statements is true about how 4G cellular networks (operated by different carriers/companies) connect together?

\*\*In a 4G network, the radio access network connects to the legacy phone network for voice calls, but to the public internet for data connections.

\*\*G networks connect to each other using the existing phone interconnection networks from earlier 3G and 2G networks.

\*\*G networks are generally all-IP, and so cellular networks interconnect (peer) directly to each other, or peer at the cellular equivalents of the internet Exchange Points that we saw used for interconnecting wired networks in the public internet.

\*\*Nicel-Snbsp: This answer is correct.\*\*

Nicel-Snbsp: This answer is correct.

\*\*Quiz Score: 12 out of 15

Not quite. This answer is incorrect.