

IJ,











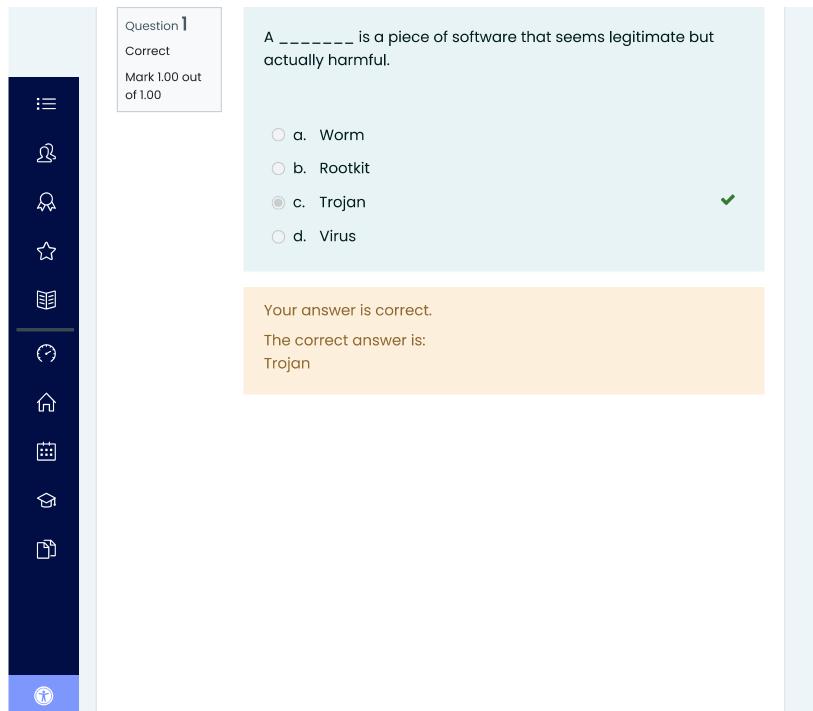






<u>Dashboard</u>	My courses	<u>In18-S8-EN4720 (117531)</u>	General	Quiz 3
------------------	------------	--------------------------------	---------	--------

Started on	Monday, 26 June 2023, 4:40 PM
State	Finished
Completed on	Monday, 26 June 2023, 4:59 PM
Time taken	19 mins 23 secs
Marks	20.00/20.00
Grade	10.00 out of 10.00 (100%)





What is the primary purpose of circuit switching in telecommunications?

- a. To dynamically route data packets across multiple network nodes
- b. To provide a dedicated communication path for the duration of a conversation
- c. To prioritize network traffic based on Quality of Service (QoS) settings
- d. To establish a secure tunnel between two network devices

Your answer is correct.

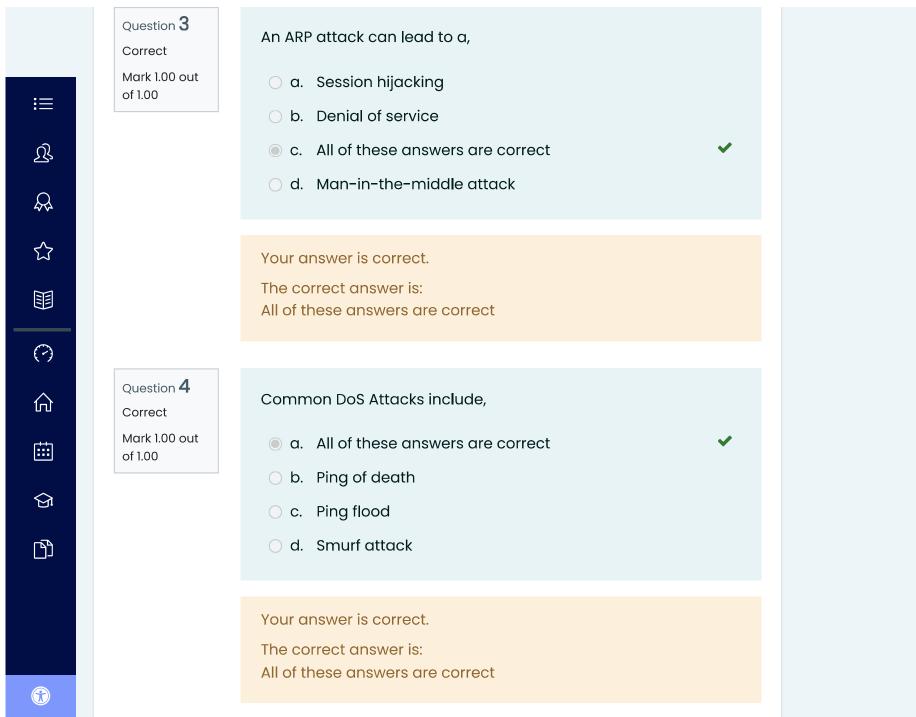
The correct answer is:

To provide a dedicated communication path for the duration of a conversation

Question 2

Mark 1.00 out

Correct





Which of the following statements about ARP (Address Resolution Protocol) is true?

- □ a. ARP is used within a network and not across networks
 ✓
- b. ARP mappings (IP to MAC) are cached in a DNS table.
- oc. ARP spoofing can only lead to denial of service attacks.
- d. ARP is a layer 3 protocol used for discovering hardware addresses.

Your answer is correct.

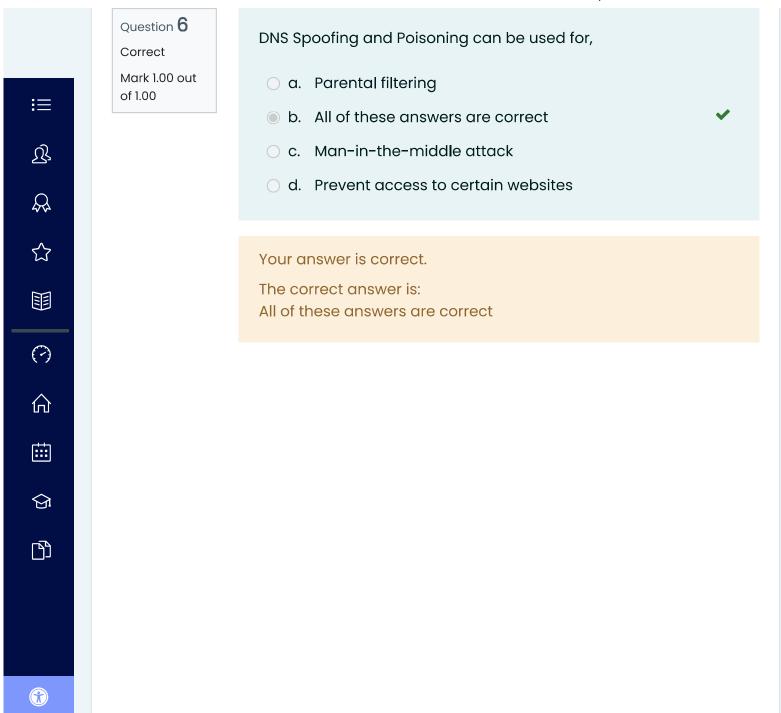
The correct answer is:

ARP is used within a network and not across networks

Question **5**

Mark 1.00 out

Correct





Which of the following statements is true regarding the security of Telnet?

- a. Telnet authenticates users before establishing a connection
- b. Telnet uses strong encryption to protect data transmission
- oc. Telnet is primarily used for secure remote file transfers
- d. Telnet is susceptible to eavesdropping and interception

Your answer is correct.

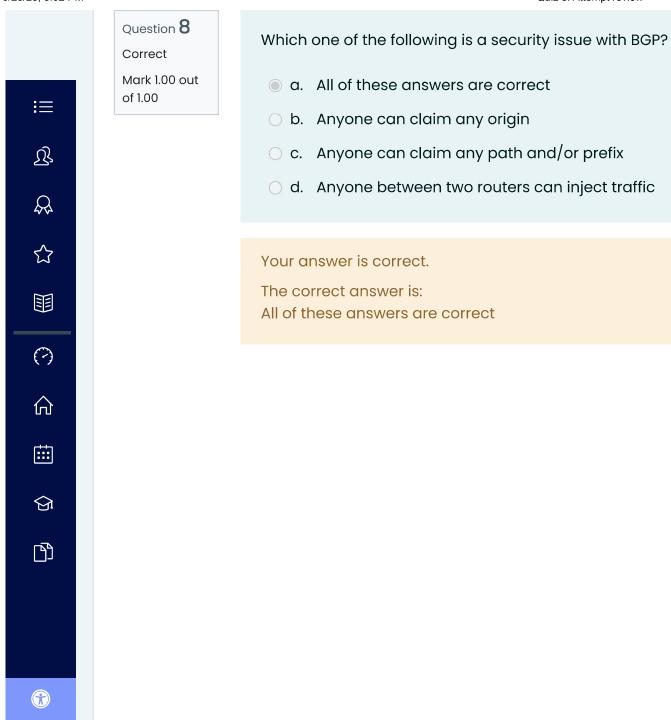
The correct answer is:

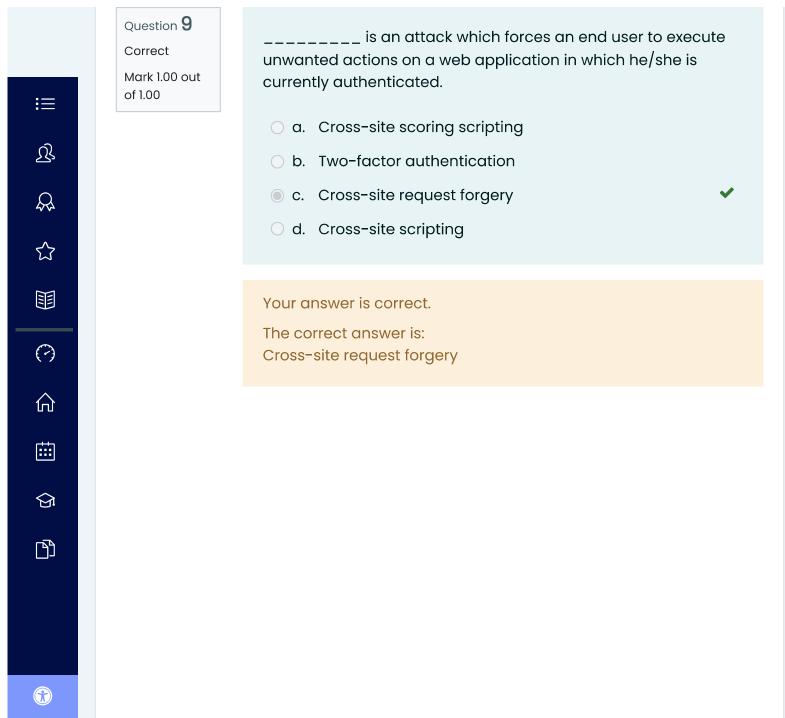
Telnet is susceptible to eavesdropping and interception

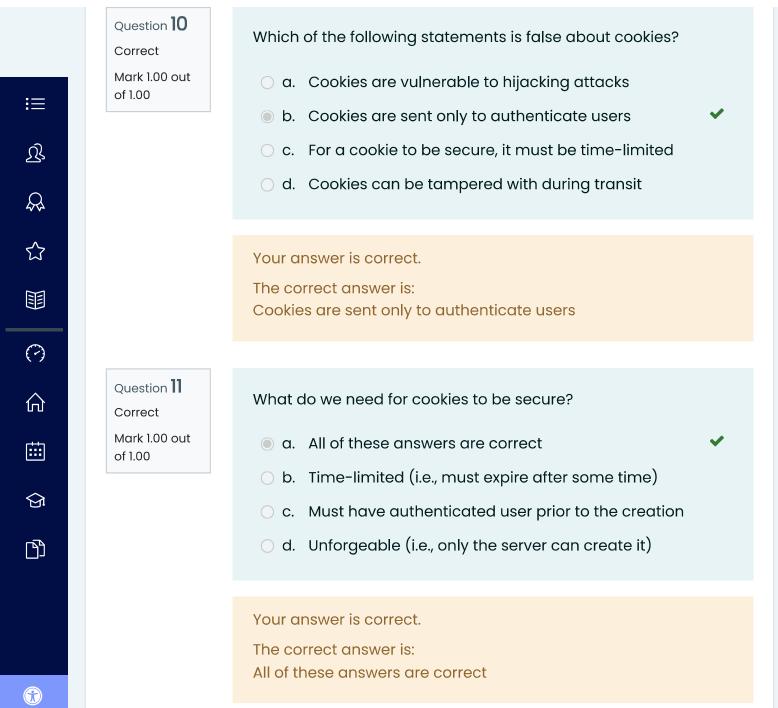
Question 7

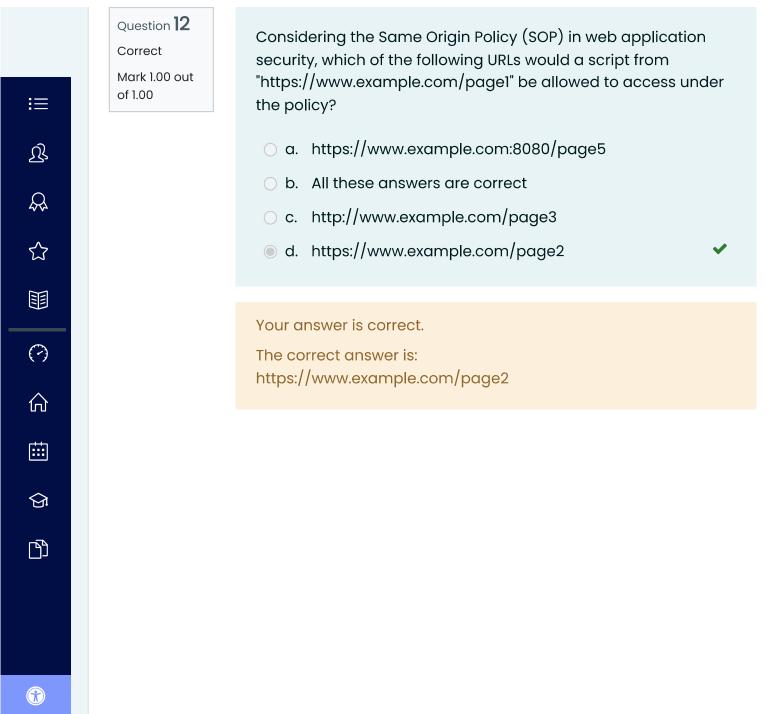
Mark 1.00 out

Correct









 \equiv Ŋ Q 仚

Consider a website where users can search for books by their titles. Which of the following ways of processing the user's search input most likely could make the website vulnerable to an SQL Injection attack?

- a. The website directly adds the user's search input into
 an SQL command like: SELECT * FROM books WHERE title = '[user's search input]'.
- b. The website first removes or escapes any special characters from the user's search input before adding it into an SQL command like: SELECT * FROM books WHERE title = '[sanitized user's search input]'.
- c. The website simply displays the user's search input on the search results page, but doesn't use it in any SQL command.
- d. The website uses the user's search input in an SQL command like: SELECT * FROM books WHERE title = '[user's input reversed]'.

Your answer is correct.

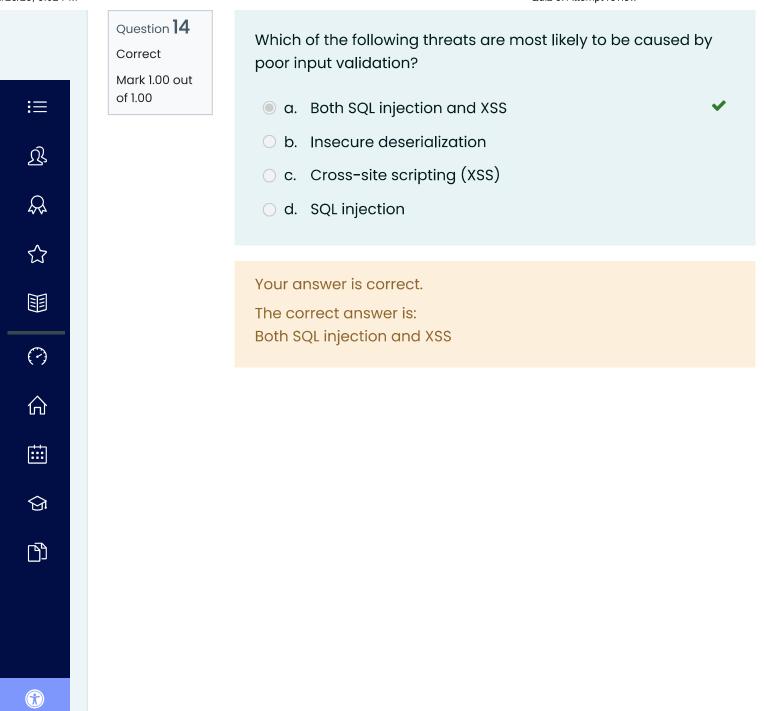
The correct answer is:

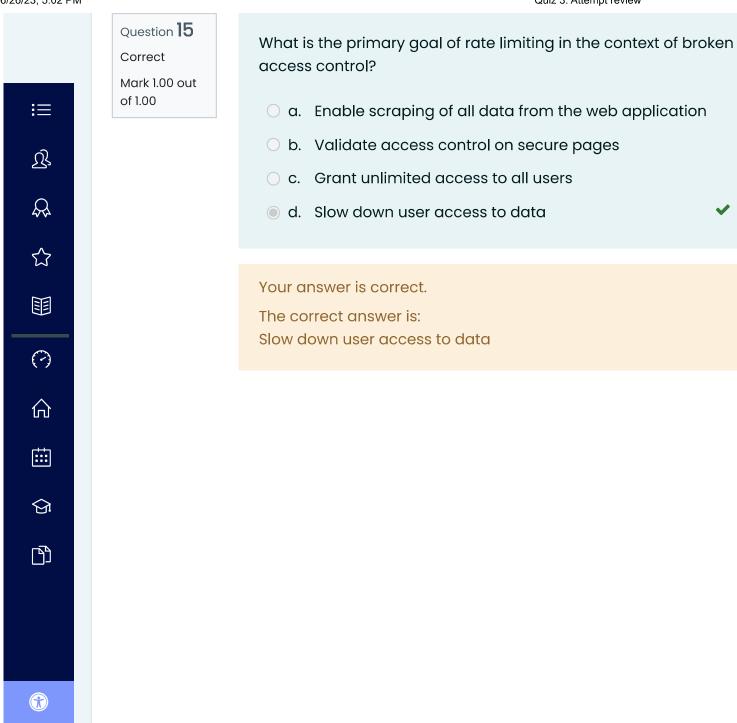
The website directly adds the user's search input into an SQL command like: SELECT * FROM books WHERE title = '[user's search input]'.

Ouestion 13

Mark 1.00 out

Correct







Which of the following statements accurately describes the capabilities of Nmap?

- a. Nmap is a network visualization tool that generates graphical representations of network topologies.
- b. Nmap can actively block unauthorized access attempts and prevent network intrusions.
- c. Nmap can perform operating system fingerprinting,
 determining the underlying operating system running on a target system.
- d. Nmap can crack encrypted passwords by utilizing advanced cryptographic algorithms.

Your answer is correct.

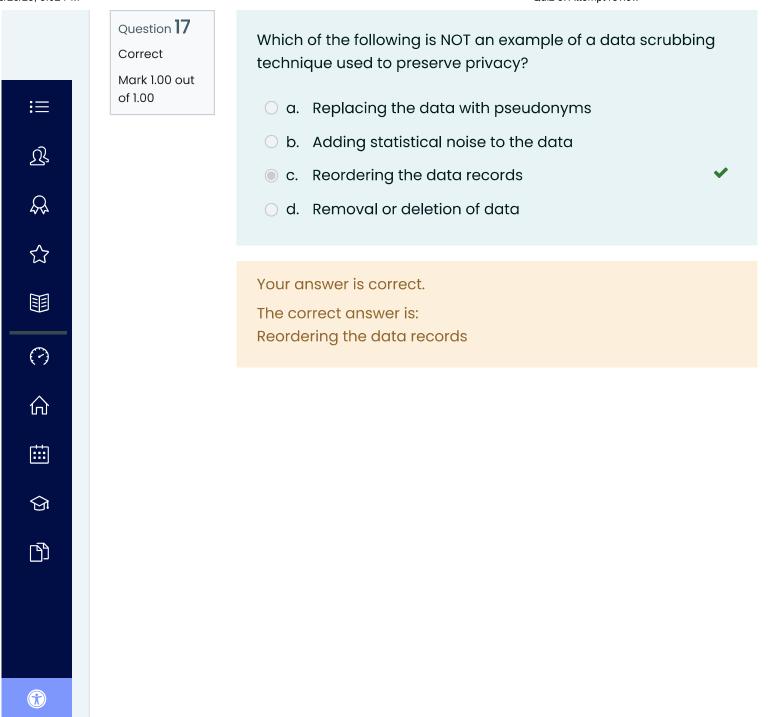
The correct answer is:

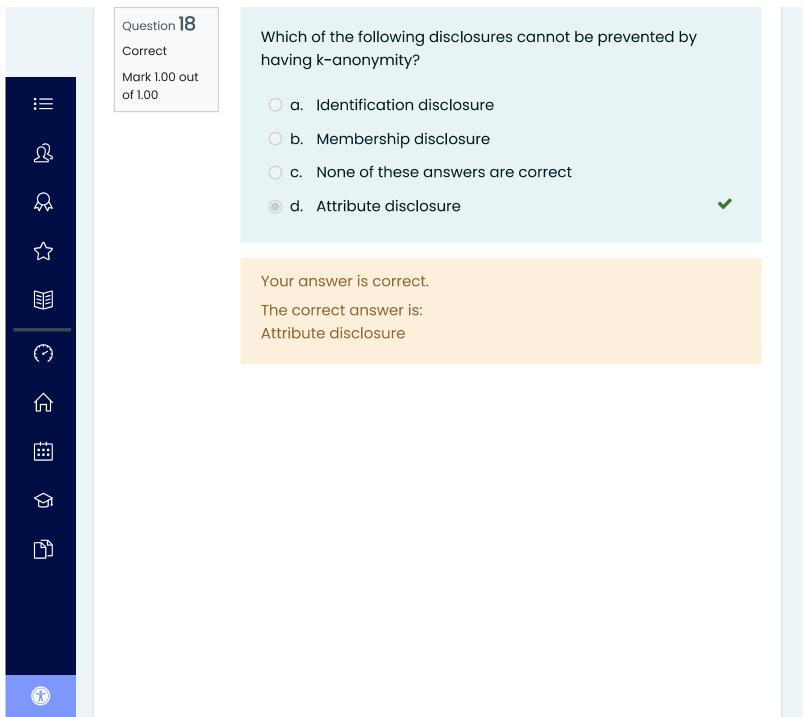
Nmap can perform operating system fingerprinting, determining the underlying operating system running on a target system.

Question 16

Mark 1.00 out

Correct







What is the false statement about differentially private mechanisms?

- a. Adding noise to outputs is a common practice when designing differentially private mechanisms.
- b. It makes (almost) no assumption on external knowledge.
- \bigcirc c. Any computation on the output of the ϵ -differentially private mechanism is also ϵ -differentially private.
- d. The guarantee of differential privacy depends on the data set.

Your answer is correct.

The correct answer is:

The guarantee of differential privacy depends on the data set.

Question 19

Mark 1.00 out

Correct

