Started on	Wednesday, 30 October 2024, 6:52 AM
State	Finished
Completed on	Wednesday, 30 October 2024, 6:56 AM
Time taken	3 mins 30 secs
Grade	**9.00** out of 10.00 (**90**%)

Question **1**

Correct

Mark 1.00 out of 1.00

HTTP 1.1 supports persistent TCP connections.
A persistent connection is a TCP connection over which a client may send several HTTP requests.

Select one:

◉ True ✔

◯ False

Question **2**

Correct

Mark 1.00 out of 1.00

The 2 types of DNS Resource Records used to encode the IPv4 and IPv6 addresses that correspond to the specified domain name are respectively:

Select one:

◯ a.   PTR and A

◉ b.   A and AAAA ✔

◯ c.   A and PTR

◯ d.   AAAA and A

Your answer is correct.

Question 3

Correct

Mark 1.00 out of 1.00

The HTTP Set-Cookie header is used by:

Select one:

- a. the web browser
- b. the web server ✔
- c. both the web browser and the web server
- d. the proxy web server

Your answer is correct.

Question 4

Correct

Mark 1.00 out of 1.00

An attack that keeps changing in relatively trivial ways to avoid signature-based detection is sometimes said to be:

Select one:

- a. dynamic
- b. unsophisticated
- c. polymorphic ✔
- d. trivial

Your answer is correct.

Question 5

Incorrect

Mark 0.00 out of 1.00

Which HTTP header is used by the server to inform the client about **how** it agrees to use the persistent connection?

Select one:

- a. Cache-Control
- b. Connection ✖
- c. Keep-Alive
- d. Content-Length

Your answer is incorrect.

Question 6

Correct

Mark 1.00 out of 1.00

If a web server receives the line below in an HTTP request, it is missing the desired web page and should send an error back.

GET / HTTP/1.1

Select one:

○ True

◉ False ✔

Question 7

Correct

Mark 1.00 out of 1.00

Fully qualified domain names (FQDN) are case-sensitive.

Select one:

○ True

◉ False ✔

Question 8

Correct

Mark 1.00 out of 1.00

The HTTP Content-Type header value used for HTML pages is text/html.

Select one:

◉ True ✔

○ False

Question 9

Correct

Mark 1.00 out of 1.00

Most network intrusion-detection systems (NIDS) detect intrusions based either on traffic anomalies or on pattern-based signatures. Which of the following would fall under "traffic anomalies"?

Select one:

○ a.   pings directed to non-existent hosts

○ b.   TCP connection attempts targeting many different ports

○ c.   a large number of ping requests

◉ d.   all of the above ✔

Your answer is correct.

Question 10

Correct

Mark 1.00 out of 1.00

The Simple Mail Transfer Protocol (SMTP) is used to retrieve email messages from older email servers.

Select one:

◯ True

⦿ False ✔