Question 1	5 / 5 pts
What type of architecture does the HTTP request and response process occur in?	
HTTP operates in a monolithic architecture.	
HTTP uses client-server architecture	
Correct. The client-server architecture accurately describes the relationship and interaction between a web client (like a browser) and a server.	
HTTP functions in a serverless architecture.	
HTTP uses peer-to-peer architecture.	
Question 2	5 / 5 pts
What are the different parts of an HTTP request?	
The method, the URI, and the protocol version.	
The request line, the request headers, and an optional request body.	
Correct, these are the fundamental components that make up an HTTP request, ensuring proper communication and data transfer between the client the server.	nt and
The request method, the path, and the query parameters.	
Status line status headers and status hady	

Question 3	5 / 5 pts
Which part of an HTTP request is optional?	
○ The request method	
O The request headers	
The request body	
Correct. The request body is not required for all types of HTTP requests, such as GET requests, making it optional.	
○ The request line	
Question 4	5 / 5 pts
What are the three parts of an HTTP response?	
The protocol, the status code, and the status message.	
The method, the status, and the message.	
The request line, the request headers, and the request body.	
The status line, the response headers, and the response body.	
Correct. These components form the structure of an HTTP response, each serving a specific purpose in delivering the response to the client.	

Question 5	5 / 5 pts
Which number class of status codes represent errors?	
© 200 and 300	
300 and 400	
100 and 200	
The 400 and 500 series of status codes are designated for indicating various client and server errors, re	espectively.
Question 6	5 / 5 pts
	5 / 5 pts
What are the two most common request methods a security professional encounters?	5 / 5 pts
What are the two most common request methods a security professional encounters? PUT and DELETE requests GET and POST requests	

Question 7	5 / 5 pts
Which type of HTTP request method is used for sending data?	
O HEAD	
POST	
Correct. The POST method is specifically designed to submit data to be processed to a specified resource.	
O DELETE	
○ GET	
	F / F - Ac
Question 8	5 / 5 pts
Correct. curl is a versatile command-line tool used for making network requests, offering detailed control and visibility over	er the requests and responses
	er the requests and responses
It automatically stores cookies and session data for subsequent requests. It provides a graphical user interface for easier navigation.	er the requests and responses
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Question 10	5 / 5 pts
Which curl option is used to set request headers?	
⊕ -H	
Correct. The _H option in curl is used to specify custom headers to be sent with the request.	
○ -i	
○ -G	
○ -X	
Question 11	5 / 5 pts
Which request method might an attacker use to figure out which HTTP requests an HTTP server will accept?	
OPTIONS	
Correct. The OPTIONS method is used to describe the communication options for the target resource, revealing methods that the server supports.	
O POST	
O GET	
○ HEAD	
Question 12	3 / 3 pts
Which response header sends a cookie to the client?	
○ Accept-Encoding	
○ Content-Type	
○ Server	
Set-Cookie	
Correct, the Set-Cookie header is specifically used to send cookies from the server to the client. The Content-Type header indicates the media type the resource, Server header describes the software used by the originating server, and Accept-Encoding is a request header that indicates the encorrect formats accepted by the client.	

Question 13 5 / 5 pts

The following is an example HTTP Request:

```
POST /login.php HTTP/1.1
Host: example.com
Accept.Encoding: gzip, deflate, br
Connection: keep-alive
Content: keep-alive
Content-Type: application/x-www-form-urlencoded
Content-Length: 34
Upgrade-Insecure-Requests: 1
User-Agent: Mozilla/5.0 (Linux; Android 6.0; Nexus 5 Build/MRA58N) AppleWebKit/537.36 (KHTML, like Gecko) Chrome/80.0.3987.132 Mobile Safari/537.36
username=Barbara&password=password
```

What is the request method?

POST
 Correct. This request is a POST request.
 GET
 gzip
 login.php

Question 14 5 / 5 pts

Sample HTTP Request:

```
POST /login.php HTTP/1.1
Host: example.com
Accept.Encoding: gzip, deflate, br
Connection: keep-alive
Content-rype: application/x-www-form-urlencoded
Content-Length: 34
Upgrade-Insecure-Requests: 1
User-Agent: Mozilla/5.0 (Linux; Android 6.0; Nexus 5 Build/MRASSN) AppleWebKit/537.36 (KHTML, like Gecko) Chrome/80.0.3987.132 Mobile Safari/537.36
username=Barbara&password=password
```

Which header expresses the client's preference for an encrypted response?

Upgrade-Insecure-Requests: 1

Correct, this header is the browser requesting an encrypted response.

5 / 5 pts Question 15 HTTP/1.1 200 OK Date: Mon, 16 Mar 2020 17:05:43 GMT Last_Modified: Sat, 01 Feb 2020 00:00:00 GMT Content-Encoding: gzip Expires: Fri, 01 May 2020 00:00:00 GMT Server: Apache Set-Cookie: SessionID=5 Content-Type: text/html; charset=UTF-8 Strict-Transport-Security: max-age=31536000; includeSubDomains X-Content-Type: NoSniff X-Frame-Options: DENY X-XSS-Protection: 1; mode=block What is the response status code? 200 Correct. 200 status means the request was OK. 3 / 3 pts Question 16 What are the individual components of microservices called? Modules Services Correct. When a monolith's components are separated by functions, they are called services. Procedures Functions 5 / 5 pts Question 17 What is a service that writes to a database and communicates to other services? A protocol suite A middleware application

Correct. An API is the correct answer because it provides a set of protocols and tools for building software and applications, allowing different services to communicate with each other and with databases.

A data entry interface

An application programming interface (API)

Question 18	5 / 5 pts
What tool can be used to deploy multiple containers at once?	
O Docker Swarm	
○ Kubernetes	
O Docker Hub	
Docker Compose	
Correct. Docker Compose is specifically designed for defining and running multi-container Docker applications, making it the right tool for deploying multiple containers simultaneously.	
Question 19	5 / 5 pts
What kind of file format is required for us to deploy a container set?	
○ INI	
O XML	
YAML	
Correct. Docker Compose uses a YAML file (docker-compose.yml) to define services, networks, and volumes for docker containers, making it the stand for defining and running multi-container Docker applications.	dard
O JSON	

Which	type of SQL query would we use to see all the information in a table called customers?	
	ALTER TABLE customers;	
	CREATE TABLE customers;	
•	SELECT * FROM customers;	
	forrect. The SELECT * FROM customers; query is used to retrieve all data from the customers table, making it the correct choice for viewing all information in a table.	

Question 21	5 / 5 pts
Which type of SQL query would we use to enter new data into a table?	
Correct. The INSERT INTO statement is used to add new rows of data to a table in the database, making it the correct choice for entering new datable.	ta into a
O UPDATE	
O DELETE FROM	
○ SELECT FROM	