

<b>Started on</b>	Monday, 28 July 2025, 11:37 AM
<b>State</b>	Finished
<b>Completed on</b>	Monday, 28 July 2025, 11:45 AM
<b>Time taken</b>	8 mins 28 secs
<b>Marks</b>	18.00/20.00
<b>Grade</b>	<b>90.00</b> out of 100.00

**Question 1**

Correct

Mark 1.00 out of 1.00

 [Flag question](#)

How the Web Works: Quiz 1. What is the core definition of a web browser? °

- ☐ a. A program that encrypts all internet traffic
- ☐ b. A hardware device that connects to the internet
- ☒ c. A software application designed to retrieve, present, and traverse information resources on the World Wide Web ✓
- ☐ d. A server that hosts website files

Your answer is correct.

The correct answer is:

A software application designed to retrieve, present, and traverse information resources on the World Wide Web

**Question 2**

Correct

Mark 1.00 out of 1.00

 [Flag question](#)

Which of these is NOT one of the three main steps a browser initiates after typing a URL and pressing Enter?

- ☐ a. Rendering the web page
- ☐ b. Requesting Information
- ☐ c. Receiving Data
- ☒ d. Encrypting the entire internet ✓

Your answer is correct.

The correct answer is:

Encrypting the entire internet

**Question 3**

Correct

Mark 1.00 out of 1.00

 [Flag question](#)

What specific type of URI (Uniform Resource Identifier) do we primarily deal with on the web?

?

- ☐ a. UUIDs (Universal Identifiers)
- ☐ b. URNs (Uniform Resource Names)
- ☐ c. UCRs (Uniform Content References)
- ☒ d. URLs (Uniform Resource Locators) ✓

Your answer is correct.

The correct answer is:

URLs (Uniform Resource Locators)

#### Question 4

Correct

Mark 1.00 out of 1.00

🚩 [Flag question](#)

Which key component of a browser is responsible for parsing HTML and CSS and displaying the content on the screen?

- ☐ a. Browser Engine
- ☐ b. User Interface
- ☒ c. Rendering Engine (Layout Engine) ✓
- ☐ d. Networking

Your answer is correct.

The correct answer is:

Rendering Engine (Layout Engine)

#### Question 5

Correct

Mark 1.00 out of 1.00

🚩 [Flag question](#)

Which browser component handles network calls, like HTTP requests, to fetch URLs?

- ☐ a. UI Backend
- ☐ b. Data Persistence/Storage
- ☐ c. JavaScript Interpreter
- ☒ d. Networking ✓

Your answer is correct.

The correct answer is:

Networking

#### Question 6

Correct

Mark 1.00 out of 1.00

🚩 [Flag question](#)

What is an example of a JavaScript Interpreter mentioned in the text?

- ☐ a. Gecko
- ☐ b. Webkit
- ☐ c. Blink
- ☒ d. V8 ✓

Your answer is correct.

The correct answer is:

V8

#### Question 7

Correct

Mark 1.00 out of 1.00

🚩 [Flag question](#)

Where does the browser have a local storage mechanism to store data on your computer, such as cookies?

- ☒ a. Data Persistence/Storage ✓
- ☐ b. Server-side database
- ☐ c. RAM (Random Access Memory)
- ☐ d. Cloud storage

Your answer is correct.

The correct answer is:

Data Persistence/Storage

#### Question 8

Correct

Mark 1.00 out of 1.00

🚩 [Flag question](#)

What is a server in the context of the World Wide Web?

- ☐ a. A program that translates domain names into IP addresses
- ☐ b. A security system that protects web content
- ☐ c. A software application that creates web pages
- ☒ d. A powerful computer that stores website files and delivers them to your browser when requested ✓

Your answer is correct.

The correct answer is:

A powerful computer that stores website files and delivers them to your browser when requested

#### Question 9

Correct

Mark 1.00 out of 1.00

[Flag question](#)

Which of these is a popular web server software mentioned in the text?

- ☒ a. Apache HTTP Server ✓
- ☐ b. Microsoft Word
- ☐ c. Google Chrome
- ☐ d. Adobe Photoshop

Your answer is correct.

The correct answer is:

Apache HTTP Server

**Question 10**

Correct

Mark 1.00 out of 1.00

[Flag question](#)

What is the usual port number for HTTP requests that servers constantly monitor?

- ☒ a. Port 80 ✓
- ☐ b. Port 25
- ☐ c. Port 443
- ☐ d. Port 21

Your answer is correct.

The correct answer is:

Port 80

**Question 11**

Correct

Mark 1.00 out of 1.00

[Flag question](#)

What is the process called when a server sends requested content back to the browser?

- ☐ a. Client-side rendering
- ☐ b. Data encryption  
Data encryption on
- ☐ c. Packet routing
- ☒ d. Serving content ✓

Your answer is correct.


The correct answer is:

Serving content


**Question 12**

Incorrect

Mark 0.00 out of 1.00

 [Flag question](#)

What is an IP address?

- ☐ a. A type of web browser
- ☒ b. A secure protocol for data transfer 
- ☐ c. A human-readable name for a website
- ☐ d. A numerical label assigned to each device participating in a computer network

Your answer is incorrect.

The correct answer is:

A numerical label assigned to each device participating in a computer network


**Question 13**

Correct

Mark 1.00 out of 1.00

 [Flag question](#)

What are the two main functions of an IP address?

- ☐ a. Data encryption and decryption
- ☐ b. Website design and development
- ☐ c. Content delivery and caching
- ☒ d. Host or Network Interface Identification and Location Addressing 

Your answer is correct.

The correct answer is:

Host or Network Interface Identification and Location Addressing


**Question 14**

Incorrect

Mark 0.00 out of 1.00

 [Flag question](#)

How many bits are in an IPv4 address?

- ☐ a. 128bits
- ☐ b. 16bits
- ☒ c. 64 bits 
- ☐ d. 32bits

Your answer is incorrect.

The correct answer is:

32bits

**Question 15**

Correct

Mark 1.00 out of 1.00

 [Flag question](#)

What was the primary reason IPv6 was designed?

- ☐ a. To allow for more complex website designs
- ☐ b. To improve web page loading speeds
- ☒ c. To address the IPv4 exhaustion problem ✓
- ☐ d. To provide stronger encryption for web traffic

Your answer is correct.

The correct answer is:

To address the IPv4 exhaustion problem

**Question 16**

Correct

Mark 1.00 out of 1.00

 [Flag question](#)

How many bits are in an IPv6 address?

- ☐ a. 32-bit
- ☐ b. 64-bit
- ☐ c. 16-bit
- ☒ d. 128-bit ✓

Your answer is correct.

The correct answer is:

128-bit

**Question 17**

Correct

Mark 1.00 out of 1.00

 [Flag question](#)

What does DNS stand for?

- ☐ a. Digital Network Service
- ☒ b. Domain Name System ✓
- ☐ c. Data Naming System
- ☐ d. Dynamic Naming Service

Your answer is correct.

The correct answer is:

Domain Name System

**Question 18**

Correct

Mark 1.00 out of 1.00

🚩 [Flag question](#)

What is the primary function of DNS?

- ☐ a. To store cached website data
- ☒ b. To translate human-readable domain names into machine-readable IP addresses ✓
- ☐ c. To manage server-side databases
- ☐ d. To encrypt communication between browser and server

Your answer is correct.

The correct answer is:

To translate human-readable domain names into machine-readable IP addresses

**Question 19**

Correct

Mark 1.00 out of 1.00

🚩 [Flag question](#)

In the DNS resolution process, where does your browser first check to see if it has recently resolved a domain name to an IP address?

- ☒ a. Its own browser cache ✓
- ☐ b. The authoritative name server for the domain
- ☐ c. Your Internet Service Provider's (ISP) DNS resolver
- ☐ d. Root DNS Servers

Your answer is correct.

The correct answer is:

Its own browser cache

**Question 20**

Correct

Mark 1.00 out of 1.00

🚩 [Flag question](#)

If an IP address isn't found locally (browser, OS, or router cache), where does the request typically go next to begin a recursive query?

- ☐ a. To the Top-Level Domain (TLD) server
- ☐ b. Directly to the authoritative name server
- ☒ c. ) To your Internet Service Provider's (ISP) DNS resolver ✓

- ☐ d. To the web server hosting the website

Your answer is correct.

The correct answer is:

) To your Internet Service Provider's (ISP) DNS resolver

[Finish review](#)