✅ **Congratulations! You passed!**

Grade received 100%   To pass 80% or higher

[**Go to next item**]

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1. When a browser connects to a web server to retrieve a document, what default TCP/IP port is used?   `1 / 1 point`

- ⦿ 80
- ○ 420
- ○ 25
- ○ 142
- ○ 119

✅ **Correct**

---

2. When a browser connects to a web server to retrieve a document, what command is sent to the server?   `1 / 1 point`

- ○ PUT
- ○ POST
- ○ DELE
- ⦿ GET

✅ **Correct**

---

3. What does the second "T" of HTTP stand for?   `1 / 1 point`

- ⦿ Transfer
- ○ Transpose
- ○ Transport
- ○ movemenT

✅ **Correct**

---

4. Which of the following is NOT part of a Uniform Resource Locator: `1 / 1 point`

- ○ Protocol
- ○ Host
- ○ Document
- ⦿ Operating System

✅ **Correct**

---

5. Which HTML tag typically generates a request to retrieve a document from the server when it is clicked?   `1 / 1 point`

- ○ img
- ⦿ a
- ○ p
- ○ b
- ○ div
- ○ h1

✅ **Correct**

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6. What standards organization publishes many of the documents that describe the protocols we use on the Internet?   `1 / 1 point`

- ○ RIA
- ○ 6-Sigma
- ⦿ IETF
- ○ IRR
- ○ Educause

✅ **Correct**

---

7. Which of the HTTP headers does the browser look at to decide how to display the retrieved document?   `1 / 1 point`

- ○ Location
- ○ ETAG
- ⦿ Content-type
- ○ Format
- ○ Display-type
- ○ Content-length

✅ **Correct**

8. In Python, what is the difference between an open file and a socket?   **1 / 1 point**

- ◉ A socket can be simultaneously read and written
- ○ A program writes to a socket, it can read its data back after closing the socket
- ○ A program can rewind a socket and start writing again at the beginning of the socket
- ○ When you open a file, you get a read and write handle to allow simultaneous operations

✓ **Correct**

9. What must happen before a client can open a socket?   **1 / 1 point**

- ○ The client must create a local file with the same name as the socket
- ◉ A server must be running that is listening for socket connections
- ○ The server must allocate sufficient memory to handle any needed retransmissions
- ○ The client must be in the same folder as the server
- ○ The client must be on the same system as the server

✓ **Correct**

10. What port is used for Simple Mail Transfer Protocol (SMTP)?   **1 / 1 point**

- ○ 119
- ○ 142
- ○ 80
- ○ 420
- ◉ 25

✓ **Correct**

11. What port is used by default for Secure HTTP (https)?   **1 / 1 point**

- ◉ 443
- ○ 80
- ○ 142
- ○ 119
- ○ 25

✓ **Correct**

12. What is the topic of the Internet Engineering Task Force document RFC2616?   **1 / 1 point**

- ○ FTP - File Transfer Protocol
- ○ SMTP - Simple Mail Transfer Protocol
- ○ POP - Post Office Protocol
- ○ Message Data Types
- ◉ HTTP - HyperText Transfer Protocol

✓ **Correct**

13. What is the topic of the Internet Engineering Task Force document RFC42?   **1 / 1 point**

- ◉ Message Data Types
- ○ SMTP - Simple Mail Transfer Protocol
- ○ POP - Post Office Protocol
- ○ FTP - File Transfer Protocol
- ○ HTTP - HyperText Transfer Protocol

✓ **Correct**

14. Which of these Internet Engineering Task Force (IETF) documents described the "Internet Control Message Protocol"?   **1 / 1 point**

- ○ RFC5325
- ◉ RFC792
- ○ RFC815
- ○ RFC1224

✓ **Correct**

15. What is the purpose of encode() in the socket1.py code: **1 / 1 point**

- ○ To break the data into packets for network transmission
- ○ To make sure that the web server properly recognizes the GET command
- ◉ To convert the data to UTF-8 before sending

○ To check if there is any data ready to send

✓ **Correct**

16. What can't you see in the Browser Developer Mode for most browsers?

1 / 1 point

○ The request and response headers for retrieved documents

○ The HTTP response code (like 200 or 404) for each request

◉ The code that runs in the server

○ The browser Document Object Model (DOM)

✓ **Correct**

17. In the sample server.py code, which function call actually waits for incoming socket connection requests?

1 / 1 point

○ recv()

○ bind()

○ decode()

◉ listen()

○ socket()

✓ **Correct**

18. In the sample server.py code, which function call will fail if another application is already using a port?

1 / 1 point

○ socket()

○ decode()

○ listen()

○ recv()

◉ bind()

✓ **Correct**

19. Which Python library makes it very easy to make HTTP requests from Python?

1 / 1 point

○ json

○ decode

◉ urllib

○ re

✓ **Correct**