

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

- ☐ 420
- ☐ 119
- ☐ 25
- ☒ 80
- ☐ 142

✔ Correct

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

- ☒ GET
- ☐ DELETE
- ☐ PUT
- ☐ POST

✔ Correct

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

- ☒ Transfer
- ☐ movement
- ☐ Transport
- ☐ Transpose

✔ Correct

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

- ☐ Protocol
- ☐ Document
- ☒ Operating System
- ☐ Host

✔ Correct

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

- ☐ h1
- ☐ img
- ☐ div
- ☐ b
- ☒ a
- ☐ p

✔ Correct

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

- ☐ IRR
- ☐ RIA
- ☒ IETF
- ☐ Educause
- ☐ 6-Sigma

✔ Correct

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

- ☐ Display-type
- ☐ ETAG
- ☒ Content-type
- ☐ Format
- ☐ Location
- ☐ Content-length

✔ Correct

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

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

✔ Correct

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

- ☐ The server must allocate sufficient memory to handle any needed retransmissions
- ☒ A server must be running that is listening for socket connections
- ☐ The client must create a local file with the same name as the socket
- ☐ 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

- ☐ 142
- ☒ 25
- ☐ 80
- ☐ 119
- ☐ 420

✔ Correct

11. What port is used by default for Secure HTTP (https)? 0 / 1 point

- ☐ 119
- ☐ 142
- ☐ 443
- ☒ 80
- ☐ 25

✘ Incorrect

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

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

✔ Correct

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

- ☐ RFC1224
- ☐ RFC5325
- ☒ RFC792
- ☐ RFC815

✔ Correct

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

- ☐ To check if there is any data ready to send
- ☐ To make sure that the web server properly recognizes the GET command
- ☐ To break the data into packets for network transmission
- ☒ To convert the data to UTF-8 before sending

✔ Correct

16. What can't you see in the Browser Developer Mode for most browsers? 1 / 1 point

- ☐ The HTTP response code (like 200 or 404) for each request
- ☒ The code that runs in the server
- ☐ The request and response headers for retrieved documents
- ☐ 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

- ☐ bind()
- ☐ recv()
- ☒ listen()
- ☐ socket()
- ☐ decode()

✔ Correct

18. In the sample server.py code, which function call will fail if another application is already using a port? 1 / 1 point

- ☐ listen()
- ☐ decode()
- ☐ socket()
- ☒ bind()
- ☐ recv()

✔ Correct

19. Which Python library makes it very easy to make HTTP requests from Python? 1 / 1 point

- ☐ json
- ☒ urllib
- ☐ decode
- ☐ re

✔ Correct