

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

1 point

☐ 420

☐ 119

☐ 25

☒ 80

☐ 142
2. When a browser connects to a web server to retrieve a document, what command is sent to the server?

1 point

☒ GET

☐ DELE

☐ PUT

☐ POST
3. What does the second "T" of HTTP stand for?

1 point

☒ Transfer

☐ movemenT

☐ Transport

☐ Transpose
4. Which of the following is NOT part of a Uniform Resource Locator:

1 point

☐ Protocol

☐ Document

☒ Operating System

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

1 point

☐ h1

☐ img

☐ div

☐ b

☒ a

☐ p
6. What standards organization publishes many of the documents that describe the protocols we use on the Internet?

1 point

☐ IRR

☐ RIA

☒ IETF

☐ Educause

☐ 6-Sigma
7. Which of the HTTP headers does the browser look at to decide how to display the retrieved document?

1 point

☐ Display-type

☐ ETAG

☒ Content-type

☐ Format

☐ Location

☐ Content-length
8. In Python, what is the difference between an open file and a socket?

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

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
10. What port is used for Simple Mail Transfer Protocol (SMTP)?

1 point

☐ 142

☒ 25

☐ 80

☐ 119

☐ 420
11. What port is used by default for Secure HTTP (https)?

1 point

☐ 119

☐ 142

☐ 443

☒ 80

☐ 25
12. What is the topic of the Internet Engineering Task Force document RFC2616?

1 point

☐ POP - Post Office Protocol

☐ FTP - File Transfer Protocol

☐ Message Data Types

☒ HTTP - HyperText Transfer Protocol

☐ SMTP - Simple Mail Transfer Protocol
13. What is the topic of the Internet Engineering Task Force document RFC42?

1 point

☒ Message Data Types

☐ SMTP - Simple Mail Transfer Protocol

☐ FTP - File Transfer Protocol

☐ HTTP - HyperText Transfer Protocol

☐ POP - Post Office Protocol
14. Which of these Internet Engineering Task Force (IETF) documents described the "Internet Control Message Protocol"?

1 point

☐ RFC1224

☐ RFC5325

☒ RFC792

☐ RFC815
15. What is the purpose of encode() in the socketL.py code:

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

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

1 point

☐ bind()

☐ recv()

☒ listen()

☐ socket()

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

1 point

☐ listen()

☐ decode()

☐ socket()

☒ bind()

☐ recv()
19. Which Python library makes it very easy to make HTTP requests from Python?

1 point

☐ json

☒ urllib

☐ decode

☐ re

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