

Week 4 No-credit Review Self-Quiz Results for Edmund Dea

Score for this attempt: **46** out of 48

Submitted Nov 10 at 4:08pm

This attempt took 6 minutes.

Question 1

2 / 2 pts

Consider the following:

http://www.google.com/images/nav_logo195.png

The Host Name is

The Path Name is

The URL is

The TLD is

Answer 1:

Correct!

www.google.com

Answer 2:

Correct!

/images/nav_logo195.png

Answer 3:

Correct!

http://www.google.com/images/nav_logo195.png

Answer 4:

Correct!

COM

Question 2

2 / 2 pts

FTP is implemented over a pair of TCP connections.

Correct!

☒ True

☐ False

Question 3

2 / 2 pts

The FTP application-layer protocol utilizes the TCP transport-layer protocol.

Answer 1:

TCP

Correct!

Question 4

2 / 2 pts

HTTP implements caching by use of a UDP check.

☐ True

☒ False

Correct!

Question 5

2 / 2 pts

A client-side piece of data which is used to keep track of transactions between a client and server is called a cookie.

Correct!

☒ True

☐ False**Question 6**

1 / 1 pts

Compute the sum with carry-wraparound (sometimes called the one's complement sum) of the following two numbers. Give answer in 8-bit binary, zero-padded to 8 bits if necessary, with no spaces (e.g. 00101000). Please note this is different than the checksum calculation.

NOTE: Canvas will remove any leading zeros from your answer. This will not cause your answer to be marked as incorrect.

```
00010110
10011100
```

Correct!

10,110,010

Correct Answers 10,110,010 (with margin: 0)**Question 7**

1 / 1 pts

Compute the sum with carry-wraparound (sometimes called the one's complement sum) of the following two numbers. Give answer in 8-bit binary, zero-padded to 8 bits if necessary, with no spaces (e.g. 00101000). Please note this is different than the checksum calculation.

NOTE: Canvas will remove any leading zeros from your answer. This will not cause your answer to be marked as incorrect.

```
00000001
11111111
```

Correct!

1

Correct Answers 1 (with margin: 0)

Question 8**2 / 2 pts**

Which of the following best describes reliable data transfer in the internet (using networking terminology)?

Correct!

The ability to send and receive information that you are reasonably sure is what was sent, without losing any information.



The ability to know whether or not your sent or received information was changed in transit.



The ability to send information into the internet reliably.



The ability to send and receive information that you are 100% sure is exactly what was sent, without losing any information.

Question 9**2 / 2 pts**

For demultiplexing, a TCP socket is identified by...



<source address, source port>



<source address, source port, destination address, destination port>



<destination address, destination port>

Correct!**Question 10****0 / 2 pts**

It is acceptable to create two TCP connections on the same server/port doublet from the same client/port doublet.

You Answered

☒ True

Correct Answer

☐ False

Question 11

2 / 2 pts

A simple checksum can detect all 2-bit errors.

☐ True

Correct!

☒ False

Question 12

2 / 2 pts

When it comes to pushing data into the internet, UDP is the more effective protocol.

Answer 1:

Correct!

UDP

Question 13

2 / 2 pts

The UDP protocol provides reliable, connectionless service.

Correct!☐ True☒ False**Question 14****2 / 2 pts**

The UDP protocol uses a 16 -bit, 1 's complement of the 1 's complement sum to compute the checksum.

Answer 1:

16

Correct!**Answer 2:**

1

Correct!**Answer 3:**

1

Correct!**Question 15****2 / 2 pts**

The TCP protocol provides reliable, connectionless service.

☐ True☒ False**Correct!****Question 16****2 / 2 pts**

A simple checksum can detect all 1-bit errors.

Correct!

☒ True

☐ False

Question 17

2 / 2 pts

The UDP protocol provides error detection and correction.

☐ True

Correct!

☒ False

Question 18

2 / 2 pts

It is acceptable to create two TCP connections on the same server/port doublet from the same client with different port numbers.

Correct!

☒ True

☐ False

Question 19

2 / 2 pts

The one's complement of 01101001 is 10010110

Answer 1:

Correct!

10010110

Question 20**2 / 2 pts**

The one's complement of 10010110 is 01101001

Answer 1:**Correct!**

01101001

Question 21**2 / 2 pts**

If I want to be fair about my usage of internet resources, I would use the TCP protocol.

Answer 1:**Correct!**

TCP

Question 22**4 / 4 pts**

Server X is running Xbox Live services on port #3072. Client A is running an application that uses port #1796 to request an Xbox Live TCP connection to Server X. Client B is running an application that uses port #2076 to request an Xbox Live TCP connection to Server X.

IP addresses:

Server X: 201.164.10.123

Client A: 128.193.11.113

Client B: 128.193.45.227

Client A starts a second application (running at the same time as the first application) that uses the next incremental port number to request an Xbox Live TCP connection to Server X. The connection created for Client A is identified by the sockets at the endpoints as follows:

	IP Address	Port Number
On Client A	[Select] ▼	[Select] ▼
On Server X	[Select] ▼	[Select] ▼

Answer 1:

Correct!

201.164.10.123

Answer 2:

Correct!

3072

Answer 3:

Correct!

128.193.11.113

Answer 4:

Correct!

1797

Question 23

4 / 4 pts

Server X is running Diablo II services on port #4000. Client A is running an application that uses port #450 to request an Diablo II TCP connection to Server X. Client B is running an application that uses port #455 to request an Diablo II TCP connection to Server X.

IP addresses:

Server X: 152.111.20.36

Client A: 113.13.131.10

Client B: 114.192.111.23

The connection created for Client A is identified by the sockets at the endpoints as follows:

	IP Address	Port Number
On Client A	<div>[Select] ▼</div>	4000
On Server X	<div>[Select] ▼</div>	<div>[Select] ▼</div>

Answer 1:

152.111.20.36

Answer 2:

4000

Answer 3:

113.13.131.10

Answer 4:

450

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