



✓ **Congratulations! You passed!**

TO PASS 80% or higher

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Week 3 Quiz

LATEST SUBMISSION GRADE

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1. At which layer of the TCP/IP model does TCP operate?

1 / 1 point

- ☒ transport
- ☐ application
- ☐ internetwork
- ☐ network access

✓ **Correct**

TCP is the Transmission Control Protocol and it operates at the transport layer of the TCP/IP model. TCP ensures that IP packets are delivered reliably.

2. Which two protocols are used in the process of sending and receiving emails? (Choose two.)

2 / 2 points

- ☐ HTTP
- ☒ SMTP

✓ **Correct**

POP and SMTP are protocols used for email. POP is Post Office Protocol and is used by clients to retrieve email messages from a server. SMTP is Simple Mail Transfer Protocol and is used by clients to send email messages to a server.

- ☐ FTP
- ☒ POP

✓ **Correct**

POP and SMTP are protocols used for email. POP is Post Office Protocol and is used by clients to retrieve email messages from a server. SMTP is Simple Mail Transfer Protocol and is used by clients to send email messages to a server.

- ☐ SSH

3. At what layer of the OSI model are port numbers addressed?

1 / 1 point

- ☒ transport
- ☐ network
- ☐ application
- ☐ physical

✓ **Correct**

Port numbers are addressed at the transport layer of the OSI model by TCP and UDP to identify requested protocols and services.

4. What is a "best effort" protocol well suited for streaming audio and VoIP?

1 / 1 point

- ☐ TCP
- ☐ IP
- ☒ UDP
- ☐ SSH

✓ **Correct**

User Datagram Protocol (UDP) operates at the transport layer of the TCP/IP model. UDP has no reliability mechanisms, operates as a "best effort" protocol, and is commonly used with delay sensitive applications such as streaming audio and VoIP.

5. What is used by TCP and UDP to track multiple individual conversations between clients and servers?

1 / 1 point

- ☐ domain names
- ☐ URLs
- ☐ IP addresses
- ☒ port numbers

✓ Correct

A port number is a numeric identifier used by TCP and UDP to keep track of specific conversations between a client and a server.

6. A _____ is a host that runs software to provide information, such as web content, to other hosts.

1 / 1 point

server

✓ Correct

A server is a network host that provides content to other hosts, known as clients.

7. A _____ center is a facility used to house computer systems in an enterprise network.

1 / 1 point

data

✓ Correct

8. Transport layer ports 1 through _____ are used to identify well-known ports.

1 / 1 point

1023

✓ Correct

Port numbers are addressed at the transport layer of the OSI model by TCP and UDP to identify requested protocols and services. Port numbers in the range of 1 to 1023 are well-known ports.

9. Which three pieces of information are identified by a URL? (Choose three.)

3 / 3 points

- ☐ the version of the browser
- ☒ the domain name that is being accessed

✓ Correct

URLs are used to access specific content on a web server through a web browser. The URL identifies the protocol that is being used such as HTTP or FTP, the domain of the server, and the location of the resource on the server.

- ☐ the MAC address of the web server
- ☒ the protocol that is being used

✓ Correct

URLs are used to access specific content on a web server through a web browser. The URL identifies the protocol that is being used such as HTTP or FTP, the domain of the server, and the location of the resource on the server.

- ☐ the IP address of the gateway
- ☒ the location of the resource

✓ Correct

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