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Week 4 Quiz

LATEST SUBMISSION GRADE

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1. What is the advantage of using SSH over Telnet?

1 / 1 point

- ☒ SSH provides secure communications to access hosts.
- ☐ SSH supports authentication for a connection request.
- ☐ SSH is easier to use.
- ☐ SSH operates faster than Telnet.

Correct

SSH provides a secure method for remote access to hosts by encrypting network traffic between the SSH client and remote hosts. Although both Telnet and SSH request authentication before a connection is established, Telnet does not support encryption of login credentials.

2. Which two applications provide virtual terminal access to remote servers? (Choose two.)

2 / 2 points

- ☒ Telnet

Correct

Telnet and SSH are two services that provide virtual terminal services to servers.

- ☐ DHCP
- ☐ DNS
- ☐ SMTP
- ☒ SSH

Correct

Telnet and SSH are two services that provide virtual terminal services to servers.

3. What action does a DNS server take if it does not have an entry for a requested URL?

1 / 1 point

- ☐ The server drops the request.
- ☐ The server returns a "page not found" response to the client.
- ☒ The server checks with another DNS server to see if it has an entry.
- ☐ The server assigns a temporary IP address to the name and sends this IP address to the client.

Correct

When a client types a URL to visit a web server, the browser sends a request to the DNS server with the IP address configured on the computer. When the DNS server receives the request, it checks its table to determine the IP address associated with that web server. If the local DNS server does not have an entry for the requested name, it queries another upstream DNS server. When the DNS server learns the IP address, that information is sent back to the client.

4. Which three protocols operate at the application layer of the TCP/IP model? (Choose three.)

3 / 3 points

- ☐ ARP
- ☐ TCP
- ☐ UDP
- ☒ DHCP

Correct

FTP, DHCP, and POP3 are application layer protocols.

- ☒ POP3



Correct

FTP, DHCP, and POP3 are application layer protocols.



FTP



Correct

FTP, DHCP, and POP3 are application layer protocols.

5. Which communication tool allows multiple users to communicate with each other in real time by using a smartphone application or social media site?

1 / 1 point

- ☐ email
- ☐ web mail
- ☒ instant messaging
- ☐ blog



Correct

Instant messaging (IM) software enables users to communicate or chat over the Internet in real time. IM requires users to log in before they can communicate.

6. What type of server would use IMAP?

1 / 1 point

- ☐ DNS
- ☐ DHCP
- ☒ email
- ☐ FTP
- ☐ Telnet

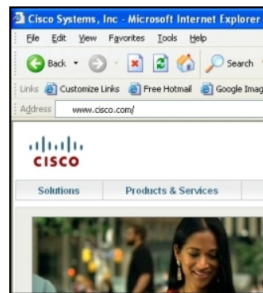


Correct

SMTP, IMAP, and POP are three application layer protocols for email applications.

7.

1 / 1 point



Refer to the exhibit. Which protocol allows a user to type www.cisco.com instead of an IP address to access the web server?

- ☐ HTTP
- ☐ FTP
- ☐ SNMP
- ☐ HTML
- ☒ DNS



Correct

Web servers are assigned static IP addresses. They are also registered with domain names so people can remember them easily. However, web servers are connected through their IP addresses. DNS provides the service to map the domain name to its IP address.