CCNA 1 Chapter 10 2016 v5.1 Answers 100%

1. **Which two definitions accurately describe the associated application layer protocol? (Choose two.)**
    o SMTP – transfers web pages from web servers to clients
    o **Telnet – provides remote access to servers and networking devices**
    o **DNS – resolves Internet names to IP addresses**
    o FTP – transfers email messages and attachments
    o HTTP – enables devices on a network to obtain IP addresses

2. **The application layer of the TCP/IP model performs the functions of what three layers of the OSI model? (Choose three.)**
    o physical
    o **session**
    o network
    o **presentation**
    o data link
    o transport
    o **application**

3. **Which layer in the TCP/IP model is used for formatting, compressing, and encrypting data?**
    o internetwork
    o session
    o presentation
    o **application**
    o network access

4. **What are two characteristics of the application layer of the TCP/IP model? (Choose two.)**
    o responsibility for logical addressing
    o responsibility for physical addressing
    o **the creation and maintenance of dialogue between source and destination applications**
    o **closest to the end user**
    o the establishing of window size

5. **A manufacturing company subscribes to certain hosted services from its ISP. The services that are required include hosted world wide web, file transfer, and e-mail. Which protocols represent these three key applications? (Choose three.)**
    o **FTP**
    o **HTTP**
    o DNS
    o SNMP

o   **DHCP**
o   **SMTP**

6. **What is an example of network communication that uses the client-server model?**
o   A user uses eMule to download a file that is shared by a friend after the file location is determined.
o   A workstation initiates an ARP to find the MAC address of a receiving host.
o   A user prints a document by using a printer that is attached to a workstation of a coworker.
o   **A workstation initiates a DNS request when the user types www.cisco.com in the address bar of a web browser.**

7. **Two students are working on a network design project. One student is doing the drawing, while the other student is writing the proposal. The drawing is finished and the student wants to share the folder that contains the drawing so that the other student can access the file and copy it to a USB drive. Which networking model is being used?**
o   **peer-to-peer**
o   client-based
o   master-slave
o   point-to-point

8. **What do the client/server and peer-to-peer network models have in common?**
o   Both models have dedicated servers.
o   **Both models support devices in server and client roles.**
o   Both models require the use of TCP/IP-based protocols.
o   Both models are used only in the wired network environment.

9. **What is an advantage for small organizations of adopting IMAP instead of POP?**
o   **Messages are kept in the mail servers until they are manually deleted from the email client.**
o   When the user connects to a POP server, copies of the messages are kept in the mail server for a short time, but IMAP keeps them for a long time.
o   IMAP sends and retrieves email, but POP only retrieves email.
o   POP only allows the client to store messages in a centralized way, while IMAP allows distributed storage.

10. **Which application layer protocol uses message types such as GET, PUT, and POST?**
o   DNS
o   DHCP
o   SMTP
o   **HTTP**
o   POP3

11. **When retrieving email messages, which protocol allows for easy, centralized storage and backup of emails that would be desirable for a small- to medium-sized business?**
- **IMAP**
- POP
- SMTP
- HTTPS

12. **Which three statements describe a DHCP Discover message? (Choose three.)**
- The source MAC address is 48 ones (FF-FF-FF-FF-FF-FF).
- **The destination IP address is 255.255.255.255.**
- The message comes from a server offering an IP address.
- **The message comes from a client seeking an IP address.**
- **All hosts receive the message, but only a DHCP server replies.**
- Only the DHCP server receives the message.

13. **What part of the URL, http://www.cisco.com/index.html, represents the top-level DNS domain?**
- **.com**
- www
- http
- index

14. **Which two tasks can be performed by a local DNS server? (Choose two.)**
- providing IP addresses to local hosts
- allowing data transfer between two network devices
- **mapping name-to-IP addresses for internal hosts**
- **forwarding name resolution requests between servers**
- retrieving email messages

15. **Which phrase describes an FTP daemon?**
- a diagnostic FTP program
- **a program that is running on an FTP server**
- a program that is running on an FTP client
- an application that is used to request data from an FTP server

16. **Which statement is true about FTP?**
- The client can choose if FTP is going to establish one or two connections with the server.
- **The client can download data from or upload data to the server.**
- FTP is a peer-to-peer application.
- FTP does not provide reliability during data transmission.

17. **What is true about the Server Message Block protocol?**

- o Different SMB message types have a different format.
- o **Clients establish a long term connection to servers.**
- o SMB messages cannot authenticate a session.
- o SMB uses the FTP protocol for communication.

18. Which application layer protocol is used to provide file-sharing and print services to Microsoft applications?
- o HTTP
- o SMTP
- o DHCP
- o **SMB**

19. Fill   in   the   blank.
    What is the acronym for the protocol that is used when securely communicating with a web server? **HTTPS**

20. Fill   in   the   blank.
    The HTTP message type used by the client to request data from the web server is the **GET** message.

21. Fill   in   the   blank.
    Refer to the exhibit. What command was used to resolve a given host name by querying the name servers?

```
<output omitted>

> cisco.netacad.net
Server:  Unknown
Address:  192.168.0.1

Non-authoritative  answer:
Name:  cisco.netacad.net
Address:  72.163.6.223

<output omitted>
```

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NSLOOKUP

22. Match a statement to the related network model. (Not all options are used.)
- o Question

requires a specific user interface		peer-to-peer network
no dedicated server is required		Target
a background service is required		Target
client and server roles are set on a per request basis		peer-to-peer application
devices can only function in one role at a time		Target
		Target

CCNA1 Chapter 10 v5.1 001 Question

o **Answer**

peer-to-peer network

no dedicated server is required

client and server roles are set on a per request basis

peer-to-peer application

requires a specific user interface

a background service is required
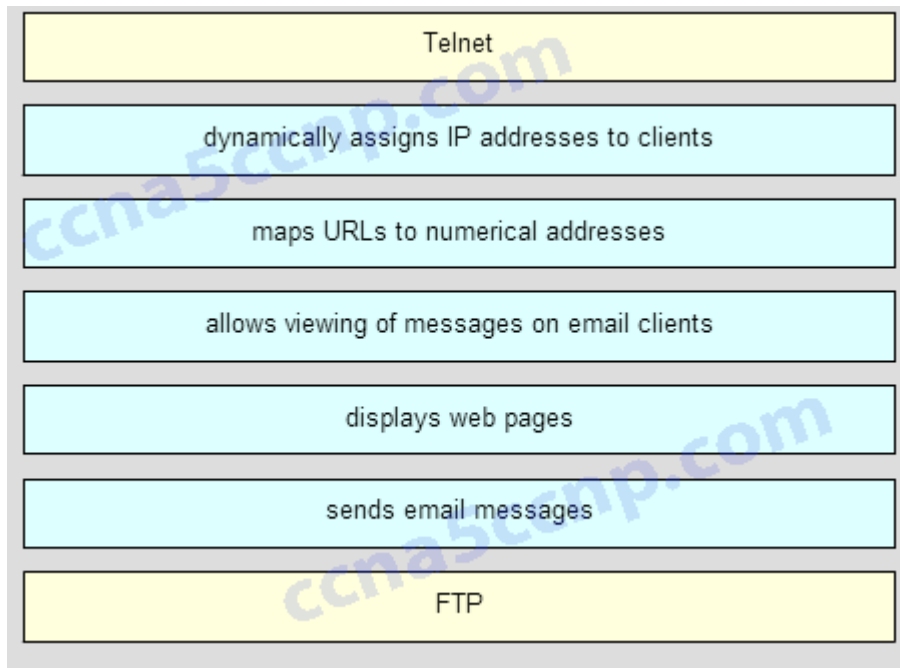
CCNA1 Chapter 10 v5.1 001 Answer

23. **Match the function to the name of the application. (Not all options are used.)**

o **Question**

maps URLs to numerical addresses		Telnet
dynamically assigns IP addresses to clients		DHCP
displays web pages		DNS
allows viewing of messages on email clients		IMAP
sends email messages		HTTP
		SMTP
		FTP

CCNA1 Chapter 10 v5.1 002 Question

o **Answer**

Telnet
dynamically assigns IP addresses to clients
maps URLs to numerical addresses
allows viewing of messages on email clients
displays web pages
sends email messages
FTP

CCNA1 Chapter 10 v5.1 002 Answer

24. **Open the PT Activity. Perform the tasks in the activity instructions and then answer the question.**
    Which PC or PCs are sending FTP packets to the server?
    o **PC_3**
    o **PC_1**
    o **PC_2**
    o **PC_1 and PC_3**