# CCNA 1 Chapter 10 v5.0 Exam Answers 2013

**1**
**Which three layers of the OSI model provide similar network services to those provided by the application layer of the TCP/IP model? (Choose three.)**

physical layer
**session layer***
transport layer
**application layer***
**presentation layer***
data link layer

**2**
**Which two tasks are functions of the presentation layer? (Choose two.)**

**compression***
addressing
**encryption***
session control
authentication

**3**
**Select three protocols that operate at the Application Layer of the OSI model. (Choose three.)**

ARP
TCP
DSL
**FTP***
**POP3***
**DHCP***

**4**
**A manufacturing company subscribes to certain hosted services from their ISP. The services required include hosted world wide web, file transfer, and e-mail. Which protocols represent these three key applications? (Choose three.)**

**FTP***
**HTTP***
DNS
SNMP
DHCP
**SMTP***

**5**
**What are two characteristics of peer-to-peer networks? (Choose two.)**

scalable
one way data flow

**decentralized resources***
centralized user accounts
**resource sharing without a dedicated server***

**6**
**What is an example of network communication that uses the client-server model?**

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

**7**
**What is an advantage for small organizations of adopting IMAP instead of POP?**

**Messages are kept in the mail servers until the client manually deletes them.***
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.
IMAP sends and retrieves email, but POP only retrieves email.
POP only allows the client to store messages in a centralized way, while IMAP allows distributed storage.

**8**
**Which two actions are taken by SMTP if the destination email server is busy when email messages are sent? (Choose two.)**

SMTP sends an error message back to the sender and closes the connection.
**SMTP tries to send the messages at a later time.***
SMTP will discard the message if it is still not delivered after a predetermined expiration time.
**SMTP periodically checks the queue for messages and attempts to send them again.***
SMTP sends the messages to another mail server for delivery.

**9**
**Which application layer protocol uses message types such as GET, PUT, and POST?**

DNS
DHCP
SMTP
**HTTP***
POP3

**10**
**A DHCP-enabled client PC has just booted. During which two steps will the client PC use broadcast messages when communicating with a DHCP server? (Choose two.)**
**DHCPDISCOVER***
DHCPACK
DHCPOFFER

**DHCPREQUEST***
DHCPNAK

**11**

**A user accessed the game site www.nogamename.com last week. The night before the user accesses the game site again, the site administrator changes the site IP address. What will be the consequence of that action for the user?**

The user will not be able to access the site.
**The user will access the site without problems.***
The user will have to modify the DNS server address on the local PC in order to access the site.
The user will have to issue a ping to this new IP address to be sure that the domain name remained the same.

**12**

**Which DNS server in the DNS hierarchy would be considered authoritative for the domain name records of a company named netacad?**

.com
**netacad.com***
mx.netacad.com
www.netacad.com

**13**

**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.

**14**

**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

**15**

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

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

**16**

**When would it be more efficient to use SMB to transfer files instead of FTP?**

when downloading large files with a variety of formats from different servers
when a peer-to-peer application is required
when the host devices on the network use the Windows operating system
**when downloading large numbers of files from the same server***
when uploading the same file to multiple remote servers

**17**

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

Hypertext Transfer Protocol Secure (HTTPS)
is the protocol that is used for accessing or
posting web server information using a secure communication channel.

**18**

```
<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>
```

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

A user can manually query the name servers to resolve
a given host name using the nslookup command.
Nslookup is both a command and a utility.

**19**
**Question as presented:**

19

**Question as presented:**

| Match the DNS record type to the corresponding description. (Not all options are used.) |
|---|

| | |
|---|---|
| authoritative name server | A |
| mail exchange record | E |
| canonical name | NS |
| end device address | CNAME |
| | MX |

**Place the options in the following order:**

**end device address**

- not scored -

**authoritative name server**

**canonical name**

**mail exchange record**

**20**
**Question as presented:**

20

**Question as presented:**

| Match the purpose with its DHCP message type. (Not all options are used.) |
|---|

| | |
|---|---|
| a message that is used to locate any available DHCP server on a network | DHCPREQUEST |
| a message that is used to identify the explicit server and lease offer to accept | DHCPDISCOVER |
| a message that is used to acknowledge that the lease is successful | DHCPNAK |
| a message that is used to suggest a lease to a client | DHCPOFFER |
| | DHCPACK |

**Place the options in the following order:**

**a message that is used to identify the explicit server and lease offer to accept**

**a message that is used to locate any available DHCP server on a network**

- not scored -
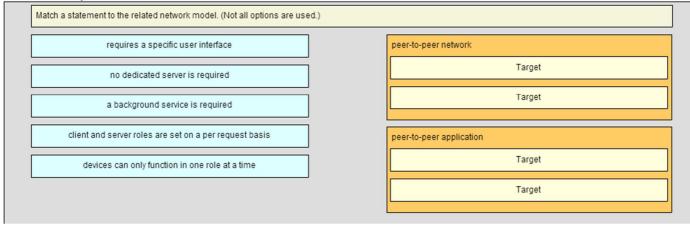
**a message that is used to suggest a lease to a client**

**a message that is used to acknowledge that the lease is successful**

**21**

**Question as presented:**

21
Question as presented:

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

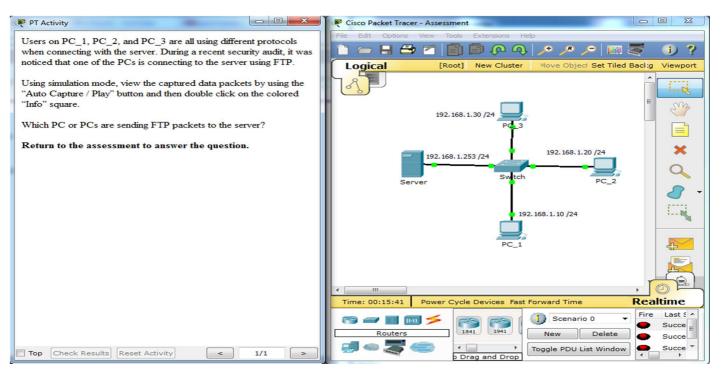| requires a specific user interface | | peer-to-peer network |
| no dedicated server is required | | Target |
| a background service is required | | Target |
| client and server roles are set on a per request basis | | peer-to-peer application |
| devices can only function in one role at a time | |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

**Place the options in the following order:**

**[+] no dedicated server is required**
**[+] client and server roles are set on a per request basis**
**[#] requires a specific user interface**
**[#] a background service is required**

[+] Order does not matter within this group.
[#] Order does not matter within this group.

**22**

**Open the PT Activity.**

PT Activity

Users on PC_1, PC_2, and PC_3 are all using different protocols when connecting with the server. During a recent security audit, it was noticed that one of the PCs is connecting to the server using FTP.

Using simulation mode, view the captured data packets by using the "Auto Capture / Play" button and then double click on the colored "Info" square.

Which PC or PCs are sending FTP packets to the server?

Return to the assessment to answer the question.

Cisco Packet Tracer - Assessment

File    Edit    Options    View    Tools    Extensions    Help

Logical          [Root]    New Cluster    Move Object  Set Tiled Backg   Viewport

192.168.1.30 /24
PC_3

192.168.1.253 /24          192.168.1.20 /24

Server            Switch              PC_2

192.168.1.10 /24

PC_1

Time: 00:15:41    Power Cycle Devices  Fast Forward Time    **Realtime**

Routers          Scenario 0

1841    1941    New    Delete

Top    Check Results    Reset Activity    <    1/1    >    Toggle PDU List Window    Drag and Drop

Fire    Last
Succe
Succe
Succe

**Perform the tasks in the activity instructions and then answer the question.**

**Which PC or PCs are sending FTP packets to the server?**

PC_3
PC_1
**PC_2***
PC_1 and PC_3