# CCNA 1 Chapter 3 V4.0 Answers 100 Updated 2011

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**1**. What application layer protocol is commonly used to support for file transfers between a client and a server?

HTML HTTP FTP Telnet

2. What are two forms of application layer software? (Choose two.) applications

dialogs requests services syntax

**3**. A network administrator is designing a network for a new branch office of twenty-five users. What are the advantages of using a client-server model? (Choose two.)

centralized administration does not require specialized software security is easier to enforce lower cost implementation provides a single point of failure

### 4. What is the purpose of resource records in DNS? temporarily holds resolved entries

used by the server to resolve names sent by the client to during a query

passes authentication information between the server and client

5. What is the automated service that matches resource names with the required IP address? HTTP SSH FODN

FQDI DNS

Telnet SMTP

### 6. What three protocols operate at the Application layer of the OSI model? (Choose three.)

ARP DNS PPP SMTP POP ICMP

#### 7. What are three properties of peer-to-peer applications? (Choose three.)

acts as both a client and server within the same communication. requires centralized account administration. hybrid mode includes a centralized directory of files. can be used in client-server networks. requires a direct physical connection between devices. centralized authentication is required.

# **8**. Which application layer protocols correctly match a corresponding function? (Choose two.)

DNS dynamically allocates IP addresses to hosts HTTP transfers data from a web server to a client POP delivers email from the client to the server email server SMTP supports file sharing Telnet provides a virtual connection for remote access

#### 9. Which email components are used to forward mail between servers? (Choose

two.) MDA IMAP MTA POP SMTP MUA

### **10**. As compared to SSH, what is the primary disadvantage of telnet? not widely available

does not support encryption consumes more network bandwidth does not support authentication

# **11**. Which statements are correct concerning the role of the MTA in handling email? (Choose three.)

routes email to the MDA on other servers

receives email from the client's MUA receives email via the POP3 protocol passes email to the MDA for final delivery uses SMTP to route email between servers delivers email to clients via the POP3 protocol

12. Which two protocols are used to control the transfer of web resources from a web server to a client browser? (Choose two.)

ASP FTP HTML HTTP HTTPS IP

# 13. A small home network has been installed to interconnect three computers together for gaming and file sharing. What two properties represent this network type? (Choose two.)

User accounts are centralized.

Security is difficult to enforce.

Specialized operating system software is required.

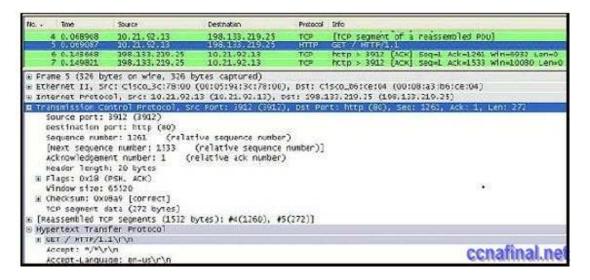
File permissions are controlled by a single computer.

A computer that responds to a file sharing request is functioning as a server.

# 14. Which layer of the OSI model supplies services that allow user to interface with the network?

physical session network presentation application transport

15.



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### Refer to the exhibit. What is the destination port for the communication that is represented on line 5?

### **16**. 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

# 17. What application layer protocol describes the services that are used for file sharing in Microsoft networks?

DHCP DNS SMB SMTP Telnet

#### 18. What are two characteristics of clients in data networks? (Choose two.)

use daemons initiate data exchanges are repositories of data may upload data to servers listen for requests from servers

#### 19. What is the role of the OSI application layer?

provides segmentation of data provides encryption and conversion of data provides the interface between the applications on either end of the network provides control of all the data flowing between the source and destination devices

### **20**. How does the application layer on a server usually process multiple client request for services?

ceases all connections to the service denies multiple connections to a single daemon suspends the current connection to allow the new connection uses support from lower layer functions to distinguish between connections to the service

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