

**1**

***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
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**2**

***Which of the following are benefits of peer-to-peer networks? (Choose three.)***

- ☐ centralized security
  - ☒ easy to create
  - ☐ very scalable
  - ☒ no centralized equipment required
  - ☒ centralized administrator not required
  - ☐ centralized control of assets
- 

**3**

***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
- 

**4**

***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
- 

**5**

***What is the automated service that matches resource names with the required IP address?***

- ☒ HTTP
- ☒ SSH
- ☒ FQDN
- ☒ DNS

☐ Telnet

☐ SMTP

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**6**

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

☐ ARP

☒ DNS

☐ PPP

☒ SMTP

☒ POP

☐ ICMP

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**7**

***What are the two forms of application layer software? (Choose two.)***

☒ applications

☐ processes

☒ services

☐ dialogs

☐ syntax

☐ daemons

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**8**

***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

☐ does not require specialized software

☐ centralized authentication is required

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**9**

***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

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**10**

***Which are valid DNS resource record types? (Choose three.)***

☒ A

☒ NS

☐ MTA

- ☒ MX
  - ☐ FQDN
  - ☐ MAU
- 

**11**

***Which email components are used to forward mail between servers? (Choose two.)***

- ☐ MDA
  - ☐ IMAP
  - ☒ MTA
  - ☐ POP
  - ☒ SMTP
  - ☐ MUA
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**12**

***What is the primary disadvantage of telnet?***

- ☐ does not support authentication
  - ☐ consumes network bandwidth
  - ☐ utilizes client resources
  - ☐ not widely available
  - ☒ does not support encryption
  - ☐ requires remote access
- 

**13**

***What are three common HTTP message types? (Choose three.)***

- ☒ GET
  - ☐ PUSH
  - ☒ POST
  - ☐ HTML
  - ☐ UPLOAD
  - ☒ PUT
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**14**

***Which of the following are examples of TCP/IP application layer protocols? (Choose three.)***

- ☒ a terminal emulation protocol that supports remote console connections with various network devices
  - ☐ a protocol created by IBM that makes it easier for mainframes to connect to remote offices
  - ☒ a protocol responsible for transporting electronic mail on TCP/IP networks and the Internet
  - ☐ a protocol that controls the rate at which data is sent to another computer
  - ☒ a protocol that exchanges network management information between a network device and a management console
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