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Grade	0.00 out of 60.00 (0%)

Question 1

Not answered

Marked out of 2.00

Which two commands can be used on a Windows host to display the routing table? (Choose two.)

- ☐ a. show ip route
- ☐ b. tracert
- ☐ c. netstat -s
- ☐ d. route print
- ☐ e. print route
- ☐ f. netstat -r

The correct answers are:

route print,

netstat -r

Question 2

Not answered

Marked out of 2.00

Which layer of the TCP/IP model provides a route to forward messages through an internetwork?

- ☐ a. Session
- ☐ b. Presentation
- ☐ c. application
- ☐ d. transport
- ☐ e. internet
- ☐ f. network access

The correct answer is:

internet

Question 3

Not answered

Marked out of 2.00

A network administrator is designing the layout of a new wireless network. Which three areas of concern should not be accounted for when building a wireless network? (Choose three.)

- ☐ a. security
- ☐ b. packet collision
- ☐ c. interference
- ☐ d. coverage area
- ☐ e. mobility options
- ☐ f. extensive cabling

The correct answers are:

extensive cabling,

mobility options,

packet collision

Question 4

Not answered

Marked out of 2.00

Which IPv4 static route statement is false? (Choose three)

- ☐ a. The distance keyword is used to create a fully specified static route.
- ☐ b. Using the exit interface only is common in a point-to-point configuration.
- ☐ c. The source network is identified using the network address and wildcard mask.
- ☐ d. The destination network is not identified using the network address and wildcard mask.
- ☐ e. Using the exit interface only is not common in a point-to-point configuration.
- ☐ f. The source network is not identified using the network address and wildcard mask.

The correct answers are:

The distance keyword is used to create a fully specified static route.,

The source network is identified using the network address and wildcard mask.,

Using the exit interface only is not common in a point-to-point configuration.

Question 5

Not answered

Marked out of 2.00

A new Layer 3 switch is connected to a router and is being configured for interVLAN routing. What are not three of the five steps required for the configuration? (Choose three.)

- ☐ a. assigning ports to VLANs
- ☐ b. entering "no switchport" on the port connected to the router
- ☐ c. assigning the ports to the native VLAN
- ☐ d. enabling IP routing
- ☐ e. modifying the default VLAN
- ☐ f. installing a static route

The correct answers are:

installing a static route,

assigning the ports to the native VLAN,

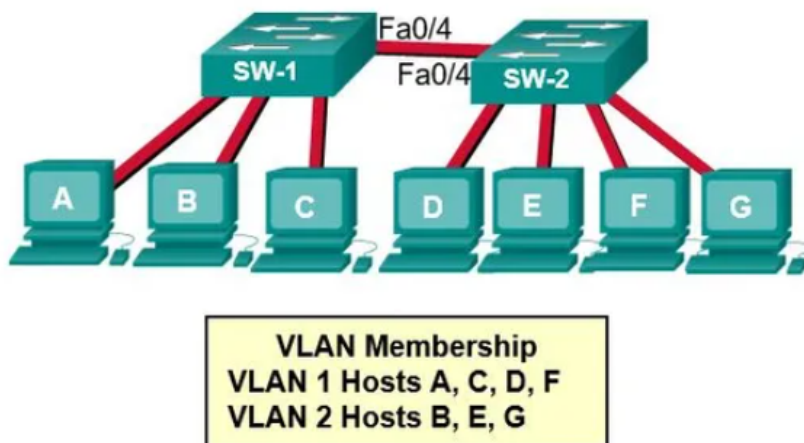
modifying the default VLAN

Question 6

Not answered

Marked out of 2.00

Refer to the exhibit. Which hosts will receive ARP requests from host B, assuming that port Fa0/4 on both switches is configured to carry traffic for multiple VLANs? (Choose two.)



- ☐ a. host C
- ☐ b. host E
- ☐ c. host F
- ☐ d. host G
- ☐ e. host B
- ☐ f. host D

The correct answers are:

host E,

host G

Question 7

Not answered

Marked out of 2.00

The application layer of the TCP/IP model performs the functions of what two layers of the OSI model? (Choose two.)

- ☐ a. physical
- ☐ b. transport
- ☐ c. data link
- ☐ d. application
- ☐ e. session
- ☐ f. network

The correct answers are: session,

application

Question 8

Not answered

Marked out of 2.00

What are not the parts of an IPv6 global unicast address? (Choose two.)

- ☐ a. Internet Routing Prefix
- ☐ b. global routing prefix
- ☐ c. subnet mask
- ☐ d. interface ID
- ☐ e. broadcast address
- ☐ f. subnet ID

The correct answers are:

subnet mask,

broadcast address

Question 9

Not answered

Marked out of 2.00

A client packet is received by a server. The packet has a destination port number of 179. What service is the client requesting?

- ☐ a. HTTP
- ☐ b. SMTP
- ☐ c. DNS
- ☐ d. BGP
- ☐ e. DHCP
- ☐ f. POP3

The correct answer is:

BGP

Question 10

Not answered

Marked out of 2.00

Refer to the exhibit. If the IP addresses of the default gateway router and the DNS server are correct, what is the configuration problem?

```
R1(config)# ip dhcp excluded-address 192.168.10.2 192.168.10.9
R1(config)# ip dhcp excluded-address 192.168.10.254
R1(config)# ip dhcp pool LAN-POOL-1
R1(dhcp-config)# network 192.168.10.0 255.255.255.0
R1(dhcp-config)# default-router 192.168.10.1
R1(dhcp-config)# dns-server 192.168.11.5
R1(dhcp-config)# domain-name example.com
R1(dhcp-config)# end
```

- ☐ a. The DNS server and the default gateway router should be in the same subnet.
- ☐ b. The network command is wrong.
- ☐ c. The IP address of the DNS server is not contained in the excluded address list.
- ☐ d. The network command is incomplete.
- ☐ e. The IP address of the default gateway router is not contained in the excluded address list.
- ☐ f. The default-router and dns-server commands need to be configured with subnet masks.

The correct answer is:

The IP address of the default gateway router is not contained in the excluded address list.

Question 11

Not answered

Marked out of 2.00

An employee of a large corporation remotely logs into the company using the appropriate username and password. The employee is attending an important video conference with a customer concerning a large sale. It is important for the video quality to be excellent during the meeting. The employee is unaware that after a successful login, the connection to the company ISP failed. The secondary connection, however, activated within seconds. The disruption was not noticed by the employee or other employees. What three network characteristics are not described in this scenario? (Choose three.)

- ☐ a. integrity
- ☐ b. quality of service
- ☐ c. fault tolerance
- ☐ d. scalability
- ☐ e. security
- ☐ f. powerline networking

The correct answers are:

scalability,

powerline networking,

integrity

Question 12

Not answered

Marked out of 2.00

An administrator defined a local user account with a secret password on router R1 for use with SSH. Which three additional steps are not required to configure R1 to accept only encrypted SSH connections? (Choose three.)

- ☐ a. Configure DNS on the router.
- ☐ b. Generate two-way pre-shared keys.
- ☐ c. Enable inbound vty Telnet sessions.
- ☐ d. Generate the SSH keys.
- ☐ e. Enable inbound vty SSH sessions.
- ☐ f. Configure the IP domain name on the router.

The correct answers are:

Configure DNS on the router.,

Generate two-way pre-shared keys.,


Enable inbound vty Telnet sessions.

Question 13

Not answered

Marked out of 2.00

Refer to the exhibit. Which protocol was responsible for building the table that is shown?



```
<output omitted>

Interface: 192.168.1.67 --- 0xa
Internet Address      Physical Address      Type
192.168.1.254         64-0f-29-0d-36-91    dynamic
192.168.1.255         ff-ff-ff-ff-ff-ff    static
224.0.0.22            01-00-5e-00-00-16    static
224.0.0.251           01-00-5e-00-00-fb    static
224.0.0.252           01-00-5e-00-00-fc    static
255.255.255.255       ff-ff-ff-ff-ff-ff    static

Interface: 10.82.253.91 --- 0x10
Internet Address      Physical Address      Type
10.82.253.92         64-0f-29-0d-36-91    dynamic
224.0.0.22            01-00-5e-00-00-16    static
224.0.0.251           01-00-5e-00-00-fb    static
224.0.0.252           01-00-5e-00-00-fc    static
255.255.255.255       ff-ff-ff-ff-ff-ff    static
```

- ☐ a. ICMP
- ☐ b. STP
- ☐ c. DNS
- ☐ d. ARP
- ☐ e. SSH
- ☐ f. DHCP

The correct answer is:

ARP

Question 14

Not answered

Marked out of 2.00

Refer to the exhibit. What three facts cannot be determined from the viewable output of the show ip interface brief command? (Choose three.)

Switch# show ip interface brief					
Interface	IP-Address	OK?	Method	Status	Protocol
FastEthernet0/1	unassigned	YES	manual	up	up
FastEthernet0/2	unassigned	YES	manual	down	down
FastEthernet0/3	unassigned	YES	manual	down	down
FastEthernet0/5	unassigned	YES	manual	down	down
FastEthernet0/6	unassigned	YES	manual	down	down
(output omitted)					
FastEthernet0/23	unassigned	YES	manual	down	down
FastEthernet0/24	unassigned	YES	manual	down	down
Vlan1	192.168.11.3	YES	manual	up	up

- ☐ a. Two devices are attached to the switch.
- ☐ b. The switch cannot be remotely managed.
- ☐ c. Two physical interfaces have not been configured.
- ☐ d. The default SVI has been configured.
- ☐ e. Passwords have been configured on the switch.
- ☐ f. One device is attached to a physical interface.

The correct answers are:

The switch cannot be remotely managed.,

Passwords have been configured on the switch.,

Two devices are attached to the switch.

Question 15

Not answered

Marked out of 2.00

Which protocol adds security to remote connections?

- ☐ a. FTP
- ☐ b. HTTP
- ☐ c. FHRP
- ☐ d. SSH
- ☐ e. POP
- ☐ f. NetBEUI

The correct answer is:

SSH

Question 16

Not answered

Marked out of 2.00

A client packet is received by a server. The packet has a destination port number of 22. What service is the client requesting?

- ☐ a. FTP Control
- ☐ b. FTP Data
- ☐ c. DHCP
- ☐ d. SMTP
- ☐ e. SSH
- ☐ f. Telnet

The correct answer is:

SSH

Question 17

Not answered

Marked out of 2.00

A client packet is received by a server. The packet has a destination port number of 53. What service is the client requesting?

- ☐ a. DNS
- ☐ b. NetBIOS
- ☐ c. POP3
- ☐ d. NETBT
- ☐ e. HTTPS
- ☐ f. IMAP

The correct answer is:

DNS

Question 18

Not answered

Marked out of 2.00

What command can be used on a Windows PC to see the IP configuration of that computer?

- ☐ a. show interface ip
- ☐ b. show ip
- ☐ c. ipconfig
- ☐ d. show ip interface brief
- ☐ e. ping
- ☐ f. show interface

The correct answer is:

ipconfig

Question 19

Not answered

Marked out of 2.00

A wired laser printer is attached to a home computer. That printer has been shared so that other computers on the home network can also use the printer. What networking model is in use?

- ☐ a. peer-to-point
- ☐ b. point-to-point
- ☐ c. peer-to-peer
- ☐ d. master-slave
- ☐ e. master-client
- ☐ f. client-based

The correct answer is:

peer-to-peer

Question 20

Not answered

Marked out of 2.00

A client packet is received by a server. The packet has a destination port number of 110. What service is the client requesting?

- ☐ a. HTTP
- ☐ b. DNS
- ☐ c. SMTP
- ☐ d. POP3
- ☐ e. DHCP
- ☐ f. BGP

The correct answer is:

POP3

Question 21

Not answered

Marked out of 2.00

Which two protocols operate at the top layer of the TCP/IP protocol suite? (Choose two.)

- ☐ a. IP
- ☐ b. Ethernet
- ☐ c. POP
- ☐ d. TCP
- ☐ e. UDP
- ☐ f. DNS

The correct answers are:

POP,

DNS

Question 22

Not answered

Marked out of 2.00

Refer to the exhibit. If Host1 were to transfer a file to the server, what layers of the TCP/IP model would be used?

- ☐ a. application, session, transport, network, data link, and physical layers
- ☐ b. only application and Internet layers
- ☐ c. only Internet and network access layers
- ☐ d. only application, transport, network, data link, and physical layers
- ☐ e. only application, Internet, and network access layers
- ☐ f. application, transport, Internet, and network access layers

The correct answers are:

only application and Internet layers,

only Internet and network access layers,

only application, Internet, and network access layers,

application, transport, Internet, and network access layers,

only application, transport, network, data link, and physical layers,

application, session, transport, network, data link, and physical layers

Question 23

Not answered

Marked out of 2.00

Branch users were able to access a site in the morning but have had no connectivity with the site since lunch time. What should be done or checked?

- ☐ a. Check the configuration on the floating static route and adjust the AD.
- ☐ b. Use the "show ip interface brief" command to see if an interface is down.
- ☐ c. Use the "show interface ip brief" command to see if an interface is down.
- ☐ d. Use the "show ip brief" command to see if an interface is down.
- ☐ e. Verify that the static route to the server is present in the routing table.
- ☐ f. Create a floating static route to that network.

The correct answer is:

Use the "show ip interface brief" command to see if an interface is down.

Question 24

Not answered

Marked out of 2.00

What are two techniques for mitigating VLAN attacks? (Choose two.)

- ☐ a. Set the native VLAN to an unused VLAN.
- ☐ b. Enable DTP.
- ☐ c. Disable trunking manually
- ☐ d. Use private VLANs.
- ☐ e. Disable BPDU guard.
- ☐ f. Enable Source Guard.

The correct answers are:

Disable BPDU guard.,

Set the native VLAN to an unused VLAN.

Question 25

Not answered

Marked out of 2.00

Which two statements are correct about IPv4 and IPv6 addresses? (Choose two.)

- ☐ a. IPv4 addresses are represented by hexadecimal numbers.
- ☐ b. IPv6 addresses are 124 bits in length.
- ☐ c. IPv6 addresses are represented by hexadecimal numbers.
- ☐ d. IPv4 addresses are 32 bits in length.
- ☐ e. IPv6 addresses are 32 bits in length.
- ☐ f. IPv6 addresses are not represented by hexadecimal numbers.

The correct answers are:

IPv6 addresses are represented by hexadecimal numbers.,

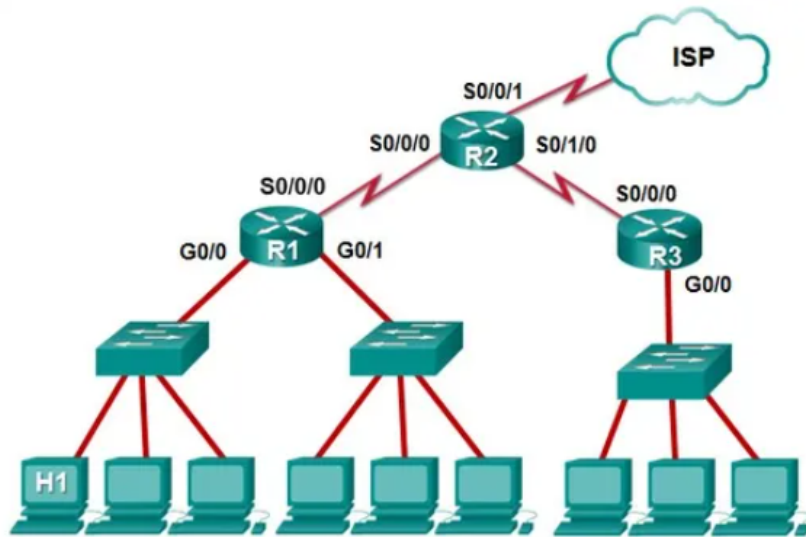
IPv4 addresses are 32 bits in length.

Question 26

Not answered

Marked out of 2.00

Refer to the exhibit. The IP address of which device interface should be used as the default gateway setting of host H1?



- ☐ a. R1: S0/0/0
- ☐ b. R1: G0/0
- ☐ c. R3: G0/0
- ☐ d. R2: S0/0/0
- ☐ e. R1: G0/1
- ☐ f. R2: S0/0/1

The correct answer is:

R1: G0/0

Question 27

Not answered

Marked out of 2.00

If a network device has a mask of /19, how many IP addresses are available for hosts on this network?

- ☐ a. 8190
- ☐ b. 8194
- ☐ c. 3968
- ☐ d. 8000
- ☐ e. 4000
- ☐ f. 8192

The correct answer is:

8190

Question 28

Not answered

Marked out of 2.00

What are not three characteristics of the CSMA/CD process? (Choose three.)

- ☐ a. The device with the electronic token isn't the only one that can transmit after a collision.
- ☐ b. All of the devices on a segment see data that passes on the network medium.
- ☐ c. A device listens and waits until the media isn't not busy before transmitting.
- ☐ d. Devices can be configured with a higher transmission priority.
- ☐ e. A jam signal indicates that the collision has cleared and the media is not busy.
- ☐ f. After detecting a collision, hosts can attempt to resume transmission after a random time delay has expired.

The correct answers are:

A device listens and waits until the media isn't not busy before transmitting.,

A jam signal indicates that the collision has cleared and the media is not busy.,

Devices can be configured with a higher transmission priority.

Question 29

Not answered

Marked out of 2.00

What are not three commonly followed standards for constructing and installing cabling? (Choose three.)

- ☐ a. connector types
- ☐ b. connector color
- ☐ c. tensile strength of plastic insulator
- ☐ d. pinouts
- ☐ e. cable lengths
- ☐ f. cost per meter (foot)

The correct answers are:

cost per meter (foot),

connector color,

tensile strength of plastic insulator

Question 30

Not answered

Marked out of 2.00

A client packet is received by a server. The packet has a destination port number of 80. What service is the client requesting?

- ☐ a. SMTP
- ☐ b. DHCP
- ☐ c. HTTP
- ☐ d. DNS
- ☐ e. SSL
- ☐ f. SSH

The correct answer is:

HTTP