

Started on Tuesday, 4 April 2023, 11:31 AM**State** Finished**Completed on** Tuesday, 4 April 2023, 11:32 AM**Time taken** 12 secs**Grade** 0.00 out of 100.00**Question 1**

Not answered

Marked out of 2.00

Switch-A and Switch-B are both configured with ports in the Marketing, Sales, Accounting, and Admin VLANs. Each VLAN contains 12 users. How many different subnetworks will be needed to enable routed connectivity between the VLANs?

Select one:

- ☐ a. 48
- ☐ b. 4
- ☐ c. 1
- ☐ d. 12

The correct answer is: 4

Question 2

Not answered

Marked out of 2.00

A network administrator is attempting to configure routing between VLANs over a trunked link. A trunk link cannot be established between a switch and a router. Which of the following are possible sources of this problem? (Choose two.)

Select one or more:

- ☐ a. The router IOS does not support trunking.
- ☐ b. The switch duplex and speed are not set properly.
- ☐ c. The router and switch are running different versions of STP.
- ☐ d. The switch IP address is incorrectly configured.
- ☐ e. The port is connected and is not receiving alignment and FCS errors.

The correct answers are: The router IOS does not support trunking., The switch duplex and speed are not set properly.

Question 3

Not answered

Marked out of 2.00

What is the purpose of an IPS?

- ☐ a. authenticating and validating traffic
- ☐ b. authentication of VPN users
- ☐ c. filtering of nefarious websites
- ☐ d. connecting global threat information to Cisco network security devices
- ☐ e. detecting and blocking of attacks in real time
- ☐ f. detecting and just reporting attacks to the system administrator

The correct answer is:

detecting and blocking of attacks in real time

Question 4

Not answered

Marked out of 2.00

Although the backup configuration file on a Catalyst 2950 switch has been erased, it is found that VLANs are still configured in the switch. What must be done to clear the configured VLANs?

Select one:

- ☐ a. The switch flash memory must be purged and the switch rebooted.
- ☐ b. The vlan.dat file must be erased and the switch reloaded.
- ☐ c. The switch needs to be restarted, because the old running configuration is still in memory.
- ☐ d. The vlan.cfg file must be renamed and IOS restarted.
- ☐ e. Each VLAN needs to be deleted individually and the configuration saved.

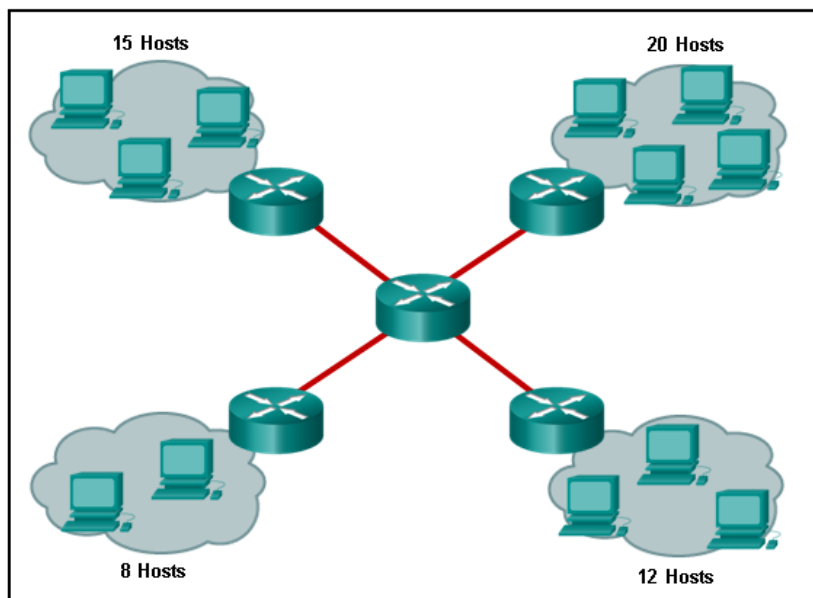
The correct answer is: The vlan.dat file must be erased and the switch reloaded.

Question 5

Not answered

Marked out of 2.00

Refer to the exhibit. How many broadcast domains are displayed? (img: Q15.png)



- ☐ a. 1
- ☐ b. 4
- ☐ c. 16
- ☐ d. 55
- ☐ e. 8
- ☐ f. 60

The correct answer is:

8

Question 6

Not answered

Marked out of 2.00

A user issues a ping 192.135.250.103 command and receives a response that includes a code of 1 . What does this code represent?

- ☐ a. port reachable
- ☐ b. host unreachable
- ☐ c. network unreachable
- ☐ d. host reachable
- ☐ e. protocol unreachable
- ☐ f. port unreachable

The correct answer is:
host unreachable

Question 7

Not answered

Marked out of 2.00

What information about the router and its startup process can be gathered from the output of the **show version** command? (Choose three.)

Select one or more:

- ☐ a. the location from where the IOS loaded
- ☐ b. the command buffer contents
- ☐ c. the last restart method
- ☐ d. the configuration register settings
- ☐ e. the amount of NVRAM and FLASH used

The correct answers are: the last restart method, the configuration register settings, the location from where the IOS loaded

Question 8

Not answered

Marked out of 2.00

A company needs to extend the LAN to six separate buildings. To limit the amount of signal attenuation on the LAN media, what type of media would be the best to use between the buildings?

Select one:

- ☐ a. coaxial cable
- ☐ b. unshielded twisted pair
- ☐ c. shielded twisted pair
- ☐ d. fiber
- ☐ e. air (wireless)

The correct answer is: fiber

Question 9

Not answered

Marked out of 2.00

What happens to the member ports of a VLAN when the VLAN is deleted?

Select one:

- ☐ a. They default back to the management VLAN.
- ☐ b. They automatically become a part of VLAN1.
- ☐ c. They become inactive.
- ☐ d. They must be assigned to another VLAN before the original VLAN can be deleted.
- ☐ e. They remain a part of that VLAN until the switch is rebooted. They then become members of the management VLAN.

The correct answer is: They become inactive.

Question 10

Not answered

Marked out of 2.00

Refer to the exhibit. The speed of all serial links is E1 and the speed of all Ethernet links is 100 Mb/s. A static route will be established on the Manchester router to direct traffic toward the Internet over the most direct path available. What configuration on the Manchester router will establish a route toward the Internet for traffic that originates from workstations on the Manchester LAN?

Select one:

- ☐ a. ip route 0.0.0.0 0.0.0.0 172.16.100.1
- ☐ b. ip route 0.0.0.0 0.0.0.0 128.107.1.1
- ☐ c. ip route 0.0.0.0 255.255.255.252 128.107.1.1
- ☐ d. ip route 0.0.0.0 255.255.255.255 172.16.100.2
- ☐ e. ip route 0.0.0.0 0.0.0.0 172.16.100.2
- ☐ f. ip route 0.0.0.0 255.255.255.0 172.16.100.2

The correct answers are: ip route 0.0.0.0 255.255.255.0 172.16.100.2, ip route 0.0.0.0 0.0.0.0 128.107.1.1, ip route 0.0.0.0 255.255.255.252 128.107.1.1, ip route 0.0.0.0 0.0.0.0 172.16.100.1, ip route 0.0.0.0 0.0.0.0 172.16.100.2, ip route 0.0.0.0 255.255.255.255 172.16.100.2

Question 11

Not answered

Marked out of 2.00

Which statement describes the treatment of ARP requests on the local link?

- ☐ a. They are dropped by all switches on the local network.
- ☐ b. They are dropped by the target devices.
- ☐ c. They are forwarded outside the local network.
- ☐ d. They must be forwarded by all routers on the local network.
- ☐ e. They are received and processed by every device on the local network.
- ☐ f. They are received and processed only by the target device.

The correct answer is:

They are received and processed by every device on the local network.

Question 12

Not answered

Marked out of 2.00

Which two tasks does the Dynamic Host Configuration Protocol perform? (Choose two.)

Select one or more:

- ☐ a. Assign and renew IP address from the default pool.
- ☐ b. Monitor IP performance using the DHCP server.
- ☐ c. Perform host discovery used DHCPDISCOVER message.
- ☐ d. Provide an easy management of layer 3 devices.
- ☐ e. Configure IP address parameters from DHCP server to a host.
- ☐ f. Set the IP gateway to be used by the network.

The correct answers are: Configure IP address parameters from DHCP server to a host., Assign and renew IP address from the default pool.

Question 13

Not answered

Marked out of 2.00

When IPv4 addressing is manually configured on a web server, which property of the IPv4 configuration identifies the network and host portion for an IPv4 address?

- ☐ a. IP address
- ☐ b. 802.1X Security
- ☐ c. DHCP server address
- ☐ d. DNS server address
- ☐ e. default gateway
- ☐ f. subnet mask

The correct answer is:
subnet mask

Question 14

Not answered

Marked out of 2.00

Which statement describes a characteristic of the frame header fields of the data link layer?

- ☐ a. Ethernet frame header fields contain RSA 2048bit encryption keys.
- ☐ b. Ethernet frame header fields contain Layer 3 source and destination addresses.
- ☐ c. Ethernet frame header fields contain source ports and destination ports.
- ☐ d. They vary depending on protocols.
- ☐ e. They include information on user applications.
- ☐ f. They all include the flow control and logical connection fields.

The correct answer is:
They vary depending on protocols.

Question 15

Not answered

Marked out of 2.00

Which type of IPv6 address refers to any unicast address that is assigned to multiple hosts?

- ☐ a. global unicast
- ☐ b. unique local
- ☐ c. anycast
- ☐ d. local unicast
- ☐ e. link-local
- ☐ f. link-common

The correct answer is:
anycast

Question 16

Not answered

Marked out of 2.00

What is the auto-MDIX feature?

- ☐ a. It enables a device to automatically configure an interface to use a straight-through or a crossover cable.
- ☐ b. The duplex capability has to be manually configured because it cannot be negotiated.
- ☐ c. It enables a device to automatically configure the duplex settings of a segment.
changes the cable to a crossover cable.
- ☐ d. It enables a switch to dynamically select the forwarding method.
- ☐ e. It enables a device to automatically configure its IPv6 GUA address
- ☐ f. The auto-MDIX feature will configure the interfaces eliminating the need for a crossover cable.

The correct answer is:
It enables a device to automatically configure an interface to use a straight-through or a crossover cable.

Question 17

Not answered

Marked out of 2.00

Which applications or services allow hosts to act as client and server at the same time?

- ☐ a. RADIUS server
- ☐ b. authentication services
- ☐ c. VPN client
- ☐ d. email applications
- ☐ e. P2P applications
- ☐ f. client/server applications

The correct answer is:

P2P applications

Question 18

Not answered

Marked out of 2.00

A network engineer is analyzing reports from a recently performed network baseline. Which situation would illustrate a possible latency issue?

- ☐ a. a change in the bandwidth according to the show interfaces output
- ☐ b. an increase in bandwidth according to the show interfaces output
- ☐ c. a next-hop timeout from a traceroute
- ☐ d. a change in the amount of RAM according to the show version output
- ☐ e. an increase in host-to-host ping response times
- ☐ f. a decrease in host-to-host ping response times

The correct answer is:

an increase in host-to-host ping response times

Question 19

Not answered

Marked out of 2.00

What is one advantage of defining network communication by the seven layers of the OSI model?

Select one:

- ☐ a. It reduces the need for testing network connectivity.
- ☐ b. It increases the throughput of a network.
- ☐ c. It makes networking easier to learn and understand.
- ☐ d. It eliminates many protocol restrictions.
- ☐ e. It increases the bandwidth of a network.

The correct answer is: It makes networking easier to learn and understand.

Question 20

Not answered

Marked out of 2.00

What three blocks of addresses are defined by RFC 1918 for private network use? (Choose three.)

- ☐ a. 100.64.0.0/14
- ☐ b. 169.254.0.0/16
- ☐ c. 239.0.0.0/8
- ☐ d. 192.168.0.0/16
- ☐ e. 172.16.0.0/12
- ☐ f. 10.0.0.0/8

The correct answers are:

172.16.0.0/12,

10.0.0.0/8,

192.168.0.0/16

Question 21

Not answered

Marked out of 2.00

Which command can an administrator execute to determine what interface a router will use to reach remote networks?

- ☐ a. show protocols
- ☐ b. show arp
- ☐ c. show ip interface brief
- ☐ d. show interfaces
- ☐ e. show ip route
- ☐ f. show interface Gig0/1 switchport

The correct answer is:
show ip route

Question 22

Not answered

Marked out of 2.00

What are three conditions that would require a network administrator to install a new NIC? (Choose three.)

Select one or more:

- ☐ a. whenever operating system security patches are applied
- ☐ b. whenever the PC has been moved to a different location
- ☐ c. when there is a need to provide a secondary or backup NIC
- ☐ d. when there is a change from copper media to wireless
- ☐ e. whenever a NIC is damaged

The correct answers are: whenever a NIC is damaged, when there is a need to provide a secondary or backup NIC, when there is a change from copper media to wireless

Question 23

Not answered

Marked out of 2.00

Which command can you use to manually assign a static IPv6 address to a router interface?

Select one:

- ☐ a. ipv6 address 2001:db8:2222:7272::72/64
- ☐ b. ipv6 address PREFIX_1 ::1/64
- ☐ c. ipv6 autoconfig
- ☐ d. ipv6 autoconfig 2001:db8:2222:7272::72/64

The correct answer is: ipv6 address 2001:db8:2222:7272::72/64

Question 24

Not answered

Marked out of 2.00

What important information is added to the TCP/IP transport layer header to ensure communication and connectivity with a remote network device?

- ☐ a. timing and synchronization
- ☐ b. destination and source physical addresses
- ☐ c. wavelength of the radio wave
- ☐ d. destination and source port numbers
- ☐ e. the amount of bits transmitted in a second
- ☐ f. destination and source logical network addresses

The correct answer is:

destination and source port numbers

Question 25

Not answered

Marked out of 2.00

A message is sent to all hosts on a remote network. Which type of message is it?

- ☐ a. limited broadcast
- ☐ b. directed broadcast
- ☐ c. unicast
- ☐ d. a single cast
- ☐ e. multicast
- ☐ f. high bandwidth message

The correct answer is:

directed broadcast

Question 26

Not answered

Marked out of 2.00

Which of the following are factors that determine throughput? (Choose two.)

Select one or more:

- ☐ a. network topology
- ☐ b. width of the network cable
- ☐ c. type of Layer 3 protocol used
- ☐ d. number of users on the network
- ☐ e. types of passwords used on servers

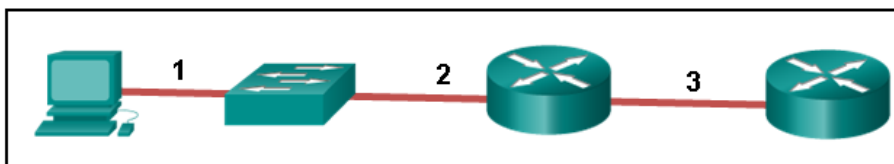
The correct answers are: network topology, number of users on the network

Question 27

Not answered

Marked out of 2.00

Refer to the exhibit. The PC is connected to the console port of the switch. All the other connections are made through FastEthernet links. Which types of UTP cables can be used to connect the devices?



- ☐ a. 1 - crossover, 2 - straight-through, 3 - rollover
- ☐ b. 1-straight-through, 2-rollover, 3-crossover
- ☐ c. 1 - rollover, 2 - crossover, 3 - straight-through
- ☐ d. 1 - rollover, 2 - straight-through, 3 - crossover
- ☐ e. 1 - crossover, 2 - rollover, 3 - straight-through
- ☐ f. 1- straight-through, 2-crossover, 3-rollover

The correct answer is:

1 - rollover, 2 - straight-through, 3 - crossover

Question 28

Not answered

Marked out of 2.00

A web client is receiving a response for a web page from a web server. From the perspective of the client, what is the correct order of the protocol stack that is used to decode the received transmission?

- ☐ a. Ethernet, HTTP, IP, TCP
- ☐ b. Ethernet, TCP, IP, HTTP
- ☐ c. HTTP, TCP, IP, Ethernet
- ☐ d. Ethernet, IP, TCP, HTTP
- ☐ e. IP, Ethernet, TCP, HTTP
- ☐ f. HTTP, Ethernet, IP, TCP

The correct answer is:

Ethernet, IP, TCP, HTTP

Question 29

Not answered

Marked out of 2.00

What is a basic characteristic of the IP protocol?

- ☐ a. media dependent
- ☐ b. user data segmentation
- ☐ c. wireless-transmission only
- ☐ d. connectionless
- ☐ e. encryption
- ☐ f. reliable end-to-end delivery

The correct answer is: connectionless

Question 30

Not answered

Marked out of 2.00

Which parameter would you tune to affect the selection of a static route as a backup, when a dynamic protocol is also being used?

Select one:

- ☐ a. link delay
- ☐ b. administrative distance
- ☐ c. hop count
- ☐ d. link cost
- ☐ e. link bandwidth

The correct answer is: administrative distance

Question 31

Not answered

Marked out of 2.00

A network administrator has configured a switch with three VLANs: VLAN1, VLAN2, and VLAN3. Port 10 is to be assigned to VLAN3. Which of the following commands are needed to assign port 10 to VLAN3? (Choose three.)

Select one or more:

- ☐ a. Switch_1(config-if)# switchport access
- ☐ b. Switch_1(config-if)# switchport mode access
- ☐ c. Switch_1(config-if)# switchport access vlan 3
- ☐ d. Switch_1# vlan database
- ☐ e. Switch_1(config-if)# switchport access vlan 3
- ☐ f. Switch_1(config)# switchport interface fastethernet 0/10

The correct answers are: Switch_1(config-if)# switchport mode access, Switch_1(config-if)# switchport access vlan 3, Switch_1(config-if)# switchport access vlan 3

Question 32

Not answered

Marked out of 2.00

A network administrator is measuring the transfer of bits across the company backbone for a mission critical financial application. The administrator notices that the network throughput appears lower than the bandwidth expected. Which three factors could influence the differences in throughput? (Choose three.)

- ☐ a. the latency that is created by the number of network devices that the data is crossing
- ☐ b. the type of traffic that is crossing the network
- ☐ c. the amount of traffic that is currently crossing the network
- ☐ d. the sophistication of the encapsulation method applied to the data
- ☐ e. the bandwidth of the WAN connection to the Internet
- ☐ f. the reliability of the gigabit Ethernet infrastructure of the backbone

The correct answers are:

the amount of traffic that is currently crossing the network ,

the type of traffic that is crossing the network ,

the latency that is created by the number of network devices that the data is crossing

Question 33

Not answered

Marked out of 2.00

What three items are contained in an Ethernet header and trailer? (Choose three.)

- ☐ a. source MAC address
- ☐ b. source IP address
- ☐ c. error-checking information
- ☐ d. RSA 2048bit encryption key
- ☐ e. destination IP address
- ☐ f. destination MAC address

The correct answers are:

destination MAC address,

source MAC address,

error-checking information

Question 34

Not answered

Marked out of 2.00

What type of communication rule would best describe CSMA/CD?

- ☐ a. data transmission
- ☐ b. message encoding
- ☐ c. traffic obstruction
- ☐ d. access method
- ☐ e. flow control
- ☐ f. message encapsulation

The correct answer is:
access method

Question 35

Not answered

Marked out of 2.00

To ensure that packets coming into a network are legitimate responses to requests initiated from internal hosts, which firewall feature is used?

- ☐ a. URL filtering
- ☐ b. application filtering
- ☐ c. stateful packet inspection
- ☐ d. optical protection
- ☐ e. packet filtering
- ☐ f. bit filtering

The correct answer is:
stateful packet inspection

Question 36

Not answered

Marked out of 2.00

Hubs are concerned with which PDU?

Select one:

- ☐ a. bits
- ☐ b. frames
- ☐ c. datagrams
- ☐ d. packets

The correct answer is: bits

Question 37

Not answered

Marked out of 2.00

Which protocol automates assignment of IP addresses on a network, and which port number does it use? (Choose two.)

- ☐ a. 80
- ☐ b. SMB
- ☐ c. 67
- ☐ d. 53
- ☐ e. DNS
- ☐ f. DHCP

The correct answers are:

DHCP,

67

Question 38

Not answered

Marked out of 2.00

VLAN1 and VLAN2 have been configured on a switch. What must be done for hosts on VLAN1 to communicate with hosts on VLAN2?

Select one:

- ☐ a. Communication between VLANs is automatically enabled on switches.
- ☐ b. VLAN overlapping must be enabled on the switch.
- ☐ c. A router must be configured to allow routing between the VLANs.
- ☐ d. An entry in the switching table must be configured for each VLAN.
- ☐ e. The MAC address must be added to the ARP table in the switch.

The correct answer is: A router must be configured to allow routing between the VLANs.

Question 39

Not answered

Marked out of 2.00

An administrator would like to connect ten workstations on a 192.168.0.0/24 network. The device selected by the administrator must allow connectivity between hosts without sharing bandwidth. Which device would be appropriate?

Select one:

- ☐ a. hub
- ☐ b. switch
- ☐ c. router
- ☐ d. repeater

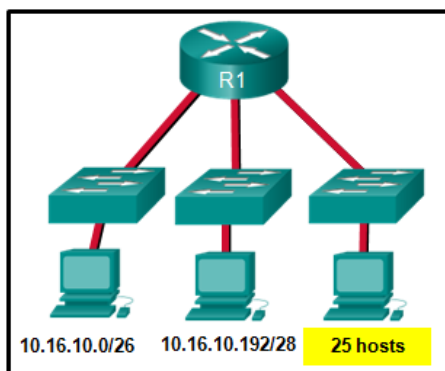
The correct answer is: switch

Question 40

Not answered

Marked out of 2.00

Refer to the exhibit. Considering the addresses already used and having to remain within the 10.16.10.0/24 network range, which subnet address could be assigned to the network containing 25 hosts?



- ☐ a. 10.16.10.240/27
- ☐ b. 10.16.10.160/26
- ☐ c. 10.16.10.64/27
- ☐ d. 10.16.10.128/28
- ☐ e. 10.16.10.240/28
- ☐ f. 10.16.10.224/26

The correct answer is:

10.16.10.64/27

Question 41

Not answered

Marked out of 2.00

```
BldgA(config)# interface gi0/1
BldgA(config-if)# description Connects to the Medical LAN
BldgA(config-if)# ip address 192.168.201.200 255.255.255.0
BldgA(config-if)# no shutdown
BldgA(config-if)# interface gi0/0
BldgA(config-if)# description Connects to the Client LAN
BldgA(config-if)# ip address 192.168.200.80 255.255.255.0
BldgA(config-if)# no shutdown
BldgA(config-if)# interface s0/0/0
BldgA(config-if)# description Connects to the ISP
BldgA(config-if)# ip address 10.200.201.254 255.255.255.0
BldgA(config-if)# no shutdown
BldgA(config-if)# interface s0/0/1
BldgA(config-if)# description Connects to the Head Office WAN
BldgA(config-if)# ip address 203.0.113.222 255.255.255.0
BldgA(config-if)# no shutdown
BldgA(config-if)# end
```

Refer to the exhibit. A network administrator is connecting a new host to the Medical LAN. The host needs to communicate with remote networks. What IP address would be configured as the default gateway on the new host?

- ☐ a. 192.168.201.200
- ☐ b. 182.178.200.70
- ☐ c. 10.200.201.254
- ☐ d. 192.168.200.80
- ☐ e. 203.0.113.222
- ☐ f. 192.168.201.1

The correct answer is:

192.168.201.200

Question 42

Not answered

Marked out of 2.00

What is the prefix for the host address 2001:DB8:BC15:A:12AB::1/64?

- ☐ a. 2002:DB8:BC15:A:12AB
- ☐ b. 2001:DB8:BC15:A:12
- ☐ c. 2001:DB8:BC15
- ☐ d. 2001:DB8:BC15:A:1
- ☐ e. 2001:DB8:BC15:A
- ☐ f. 2001:DB8:BC15:A:12AB

The correct answer is:

2001:DB8:BC15:A

Question 43

Not answered

Marked out of 2.00

A technician is to document the current configurations of all network devices in a college, including those in off-site buildings. Which protocol would be best to use to securely access the network devices?

- ☐ a. HTTPs
- ☐ b. HTTP
- ☐ c. Telnet
- ☐ d. FTP
- ☐ e. SSH
- ☐ f. VoIP

The correct answer is:

SSH

Question 44

Not answered

Marked out of 2.00

Several computers in the company require new NICs. A technician has located a good price on the Internet for the purchase of these NICs. Before these NICs are purchased and installed, what details must be verified? (Choose three.)

Select one or more:

- ☐ a. the bandwidth supported by the NIC
- ☐ b. the MAC address on the NIC
- ☐ c. the size of the RAM on the NIC
- ☐ d. the type of network architecture supported by the NIC
- ☐ e. the type of media supported by the NIC

The correct answers are: the bandwidth supported by the NIC, the type of media supported by the NIC, the type of network architecture supported by the NIC

Question 45

Not answered

Marked out of 2.00

A network administrator needs to configure port security on a switch. Which two statements are true? (Choose two.)

Select one or more:

- ☐ a. The network administrator can configure static secure or sticky secure MAC addresses in the voice VLAN.
- ☐ b. The sticky learning feature allows the addition of dynamically learned addresses to the running configuration.
- ☐ c. When dynamic MAC address learning is enabled on an interface, the switch can learn new addresses, up to the maximum defined.
- ☐ d. The network administrator can apply port security to dynamic access ports.
- ☐ e. The network administrator can apply port security to EtherChannels.

The correct answers are: When dynamic MAC address learning is enabled on an interface, the switch can learn new addresses, up to the maximum defined., The sticky learning feature allows the addition of dynamically learned addresses to the running configuration.

Question 46

Not answered

Marked out of 2.00

What action will occur if a switch receives a frame with the destination MAC address FF:FF:FF:FF:FF:FF?

- ☐ a. The switch does not forward the frame.
- ☐ b. The switch sends the frame to a connected router because the destination MAC address is not local.
- ☐ c. The switch sends it to all ports without exception.
- ☐ d. The switch forwards it out all ports except the ingress port.
- ☐ e. The switch forwards it to the ingress port only.
- ☐ f. The switch refreshes the timer on that entry.

The correct answer is:

The switch forwards it out all ports except the ingress port.

Question 47

Not answered

Marked out of 2.00

A network administrator is connecting two modern switches using a straight-through cable. The switches are new and have never been configured. Which three statements are correct about the final result of the connection? (Choose three.)

- ☐ a. The auto-MDIX feature will configure the interfaces eliminating the need for a crossover cable.
- ☐ b. The connection will not be possible unless the administrator changes the cable to a crossover cable.
- ☐ c. The link between switches will work as full-duplex.
- ☐ d. If both switches support different speeds, they will each work at their own fastest speed.
- ☐ e. The duplex capability has to be manually configured because it cannot be negotiated.
- ☐ f. The link between the switches will work at the fastest speed that is supported by both switches.

The correct answers are:

The link between switches will work as full-duplex.,

The link between the switches will work at the fastest speed that is supported by both switches.,

The auto-MDIX feature will configure the interfaces eliminating the need for a crossover cable.

Question 48

Not answered

Marked out of 2.00

The address pool of a DHCP server is configured with 172.23.143.0/26. The network administrator reserves 14 IP addresses for file servers. How many IP addresses are left in the pool to be assigned to other hosts?

- ☐ a. 40
- ☐ b. 47
- ☐ c. 61
- ☐ d. 48
- ☐ e. 58
- ☐ f. 50

The correct answer is:

48

Question 49

Not answered

Marked out of 2.00

What is the hexadecimal equivalent for the binary number 10001110?

Select one:

- ☐ a. 22
- ☐ b. 142
- ☐ c. 8E
- ☐ d. 67
- ☐ e. AE

The correct answer is: 8E

Question 50

Not answered

Marked out of 2.00

What is a characteristic of the LLC sublayer?

- ☐ a. It provides delimitation of data according to the physical signaling requirements of the medium.
- ☐ b. It defines software processes that provide services to the physical layer.
- ☐ c. It provides the logical addressing required that identifies the device.
- ☐ d. It transforms the information from the layer below into a segment.
- ☐ e. It transform the datagram from the layer above into signals specific to the medium.
- ☐ f. It places information in the frame allowing multiple Layer 3 protocols to use the same network interface and media.

The correct answer is: It places information in the frame allowing multiple Layer 3 protocols to use the same network interface and media.