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Grade	0.00 out of 100.00

Question 1

Not answered

Marked out of 2.00

Which option shows a correctly configured IPv4 default static route?

- ☐ a. ip route 0.0.0.0 255.255.255.255 S0/0/0
- ☐ b. ip route 0.0.0.0 255.255.0.0 S0/0/0
- ☐ c. ip route 0.0.0.0 255.0.0.0 S0/0/0
- ☐ d. ip route 0.0.0.0 255.255.255.0 S0/0/0
- ☐ e. ip route 0.0.0.0 255.255.255.252 S0/0/0
- ☐ f. ip route 0.0.0.0 0.0.0.0 S0/0/0

The correct answer is:

ip route 0.0.0.0 0.0.0.0 S0/0/0

Question 2

Not answered

Marked out of 2.00

Refer to the exhibit. Based on the exhibited configuration and output, why is VLAN 99 missing?



```
Sw1(config)# interface vlan 99
Sw1(config-if)# ip address 192.168.99.3 255.255.255.0
Sw1(config-if)# no shutdown
Sw1# show vlan
```

VLAN	Name	Status	Ports
1	default	active	Fa0/1, Fa0/2, Fa0/3, Fa0/4 Fa0/5, Fa0/6, Fa0/7, Fa0/8 Fa0/9, Fa0/10, Fa0/11, Fa0/12, Gi0/1, Gi0/2
1002	fddi-default	act/unsup	
1003	token-ring-default	act/unsup	
1004	fddinet-default	act/unsup	
1005	trnet-default	act/unsup	

<OUTPUT OMITTED>

- ☐ a. because VLAN 1 is down and we cannot create vlan 99 without it
- ☐ b. because VLAN 99 has not yet been created
- ☐ c. because VLAN 99 cannot exist
- ☐ d. because there is a cabling problem on VLAN 99
- ☐ e. because VLAN 1 is up and there can only be one management VLAN on the switch
- ☐ f. because VLAN 99 is not a valid management VLAN

The correct answer is:

because VLAN 99 has not yet been created

Question 3

Not answered

Marked out of 2.00

Which Cisco Catalyst feature automatically disables the port in an operational PortFast upon receipt of a BPDU?

- ☐ a. BPDU Filter
- ☐ b. BackboneFast
- ☐ c. Root Port
- ☐ d. BPDU Guard
- ☐ e. Root Guard
- ☐ f. UplinkFast

The correct answer is:

BPDU Guard

Question 4

Not answered

Marked out of 2.00

What protocol or technology disables redundant paths to eliminate Layer 2 loops?

- ☐ a. VTP
- ☐ b. EtherChannel
- ☐ c. NAT
- ☐ d. OSPF
- ☐ e. STP
- ☐ f. DTP

The correct answer is:

STP

Question 5

Not answered

Marked out of 2.00

Refer to the exhibit. What is the metric to forward a data packet with the IPv6 destination address 2001:DB8:ACAD:E:240:BFF:FED4:9DD2?

```
R1# show ipv6 route  
<output omitted>
```

```
D 2001:DB8:ACAD:3::/64 [90/2681856]  
   via FE80::3, Serial0/0/0  
D 2001:DB8:ACAD:4::/64 [90/2681856]  
   via FE80::5, Serial0/0/1  
D 2001:DB8:ACAD:5::/64 [90/3193856]  
   via FE80::3, Serial0/0/0  
C 2001:DB8:ACAD:A::/64 [0/0]  
   via ::, GigabitEthernet0/0  
L 2001:DB8:ACAD:A::1/128 [0/0]  
   via ::, GigabitEthernet0/0  
C 2001:DB8:ACAD:B::/64 [0/0]  
   via ::, GigabitEthernet0/1  
L 2001:DB8:ACAD:B::1/128 [0/0]  
   via ::, GigabitEthernet0/1  
D 2001:DB8:ACAD:C::/64 [90/2682112]  
   via FE80::3, Serial0/0/0  
D 2001:DB8:ACAD:D::/64 [90/2170112]  
   via FE80::5, Serial0/0/1  
D 2001:DB8:ACAD:E::/64 [90/2682112]  
   via FE80::5, Serial0/0/1
```

- ☐ a. 2682112
- ☐ b. 2681856
- ☐ c. 2170112
- ☐ d. 128
- ☐ e. 3193856
- ☐ f. 90

The correct answer is:

2682112

Question 6

Not answered

Marked out of 2.00

A network administrator is configuring a new Cisco switch for remote management access. Which three items should not be configured on the switch for the task? (Choose three.)

- ☐ a. loopback address
- ☐ b. vty lines
- ☐ c. default gateway
- ☐ d. VTP domain
- ☐ e. default VLAN
- ☐ f. IP address

The correct answers are:

VTP domain,

default VLAN,

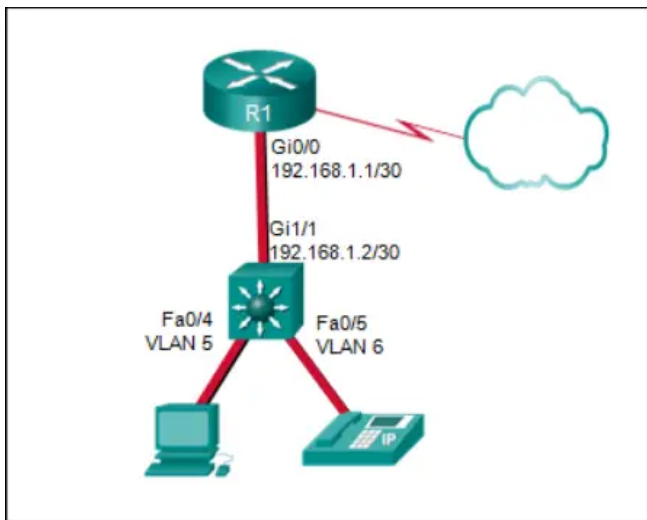
loopback address

Question 7

Not answered

Marked out of 2.00

Refer to the exhibit. A Layer 3 switch routes for three VLANs and connects to a router for Internet connectivity. Which two configurations would be applied to the switch? (Choose two.)



- ☐ a. (config)# interface vlan 1
(config-if)# ip address 192.168.1.2 255.255.255.0
(config-if)# no shutdown
- ☐ b. (config)# ip routing
- ☐ c. (config)# interface gigabitethernet 1/1
(config-if)# no switchport
(config-if)# ip address 192.168.1.2 255.255.255.252
- ☐ d. (config)# interface gigabitethernet 1/1
(config-if)# ip address 192.168.1.2 255.255.255.252
- ☐ e. (config)# interface gigabitethernet1/1
(config-if)# switchport mode trunk
- ☐ f. (config)# interface fastethernet0/4
(config-if)# switchport mode trunk

The correct answers are:

```
(config)# interface gigabitethernet 1/1
(config-if)# no switchport
(config-if)# ip address 192.168.1.2 255.255.255.252,
(config)# ip routing
```

Question 8

Not answered

Marked out of 2.00

Which information does a switch use to populate the MAC address table?

- ☐ a. the destination MAC address and the outgoing port
- ☐ b. the source MAC address and the outgoing port
- ☐ c. the source MAC address and the incoming port
- ☐ d. the source and destination MAC addresses and the incoming port
- ☐ e. the destination MAC address and the incoming port
- ☐ f. the source and destination MAC addresses and the outgoing port

The correct answer is:

the source MAC address and the incoming port

Question 9

Not answered

Marked out of 2.00

Refer to the exhibit. A network administrator is reviewing the configuration of switch S1. Which protocol has been implemented to group multiple physical ports into one logical link?

```
S1# show run | begin interface
<output omitted>
!
interface FastEthernet0/8
  channel-group 1 mode auto
  switchport mode trunk
!
interface FastEthernet0/9
  channel-group 1 mode auto
  switchport mode trunk
!
interface Port-channel 1
  switchport trunk allowed vlan 1,10,20,30
  switchport trunk encapsulation dot1q
  switchport mode trunk
```

- ☐ a. PAgP
- ☐ b. STP
- ☐ c. DTP
- ☐ d. NAT
- ☐ e. LACP
- ☐ f. PAT

The correct answer is:

PAgP

Question 10

Not answered

Marked out of 2.00

Which three Wi-Fi standards do not operate in the 2.4GHz range of frequencies? (Choose three.)

- ☐ a. 802.11g
- ☐ b. 802.2a
- ☐ c. 802.11b
- ☐ d. 802.11a
- ☐ e. 802.2b
- ☐ f. 802.11n

The correct answers are:

802.11a,

802.2a,

802.2b

Question 11

Not answered

Marked out of 2.00

What command would be used as part of configuring NAT or PAT to clear dynamic entries before the timeout has expired?

- ☐ a. clear ip pat statistics
- ☐ b. clear nat ip translation
- ☐ c. clear access-list counters
- ☐ d. clear dhcp ip
- ☐ e. clear ip dhcp
- ☐ f. clear ip nat translation

The correct answer is:

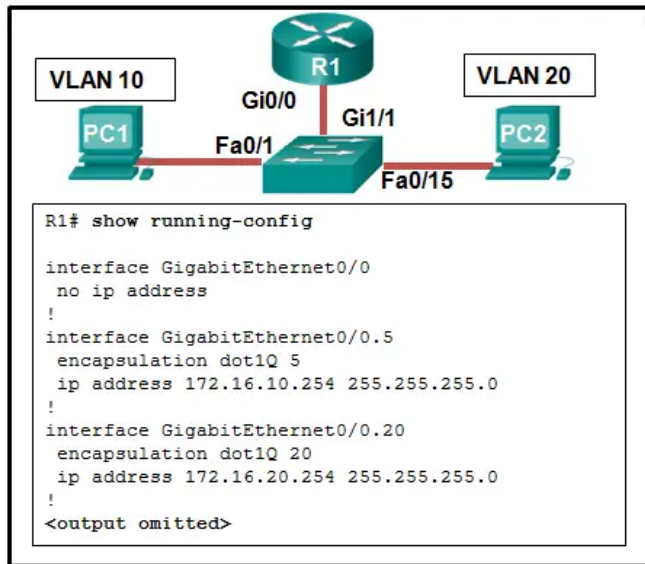
clear ip nat translation

Question 12

Not answered

Marked out of 2.00

Refer to the exhibit. A network administrator is verifying the configuration of inter-VLAN routing. Users complain that PC2 cannot communicate with PC1. Based on the output, what is the possible cause of the problem?



- ☐ a. The encapsulation dot1Q 20 command contains the wrong VLAN.
- ☐ b. The command interface GigabitEthernet0/0.5 was entered incorrectly.
The command interface GigabitEthernet0/0.5 was entered incorrectly.
- ☐ c. The no shutdown command is not entered on subinterfaces.
- ☐ d. There is no IP address configured on the interface Gi0/0.
- ☐ e. The encapsulation dot1Q 5 command contains the wrong VLAN.
- ☐ f. Gi0/0 is not configured as a trunk port.

The correct answer is:

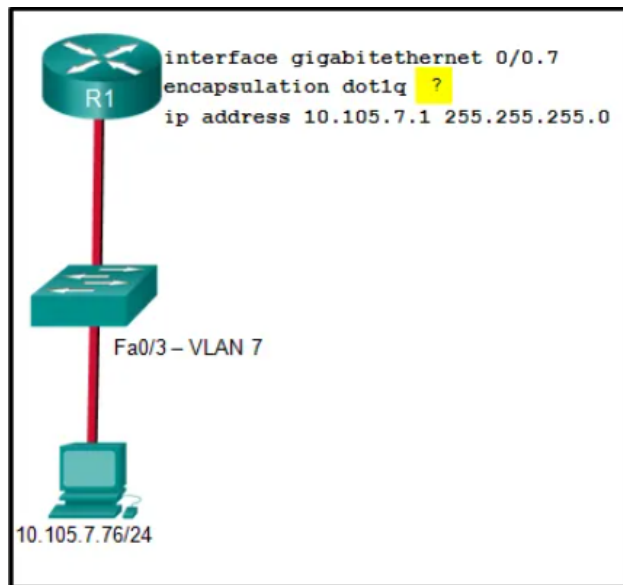
The encapsulation dot1Q 5 command contains the wrong VLAN.

Question 13

Not answered

Marked out of 2.00

Refer to the exhibit. A network administrator is configuring inter-VLAN routing on a network. For now, only one VLAN is being used, but more will be added soon. What is the missing parameter that is shown as the highlighted question mark in the graphic?



- ☐ a. It identifies the interface
 - ☐ b. It identifies the type of encapsulation that is used.
 - ☐ c. It identifies the native VLAN number.
 - ☐ d. It identifies the number of hosts that are allowed on the interface
 - ☐ e. It identifies the VLAN number.
 - ☐ f. It identifies the subinterface.
- It identifies the subinterface.
- It identifies the subinterface.

The correct answer is:

It identifies the VLAN number.

Question 14

Not answered

Marked out of 2.00

What protocol or technology uses source IP to destination IP as a load-balancing mechanism?

- ☐ a. EtherChannel
- ☐ b. OSPFv2 Multi-Area
- ☐ c. DTP
- ☐ d. STP
- ☐ e. OSPFv2 Single-Area
- ☐ f. VTP

The correct answer is:

EtherChannel

Question 15

Not answered

Marked out of 2.00

What are not three techniques for mitigating VLAN attacks? (Choose three.)

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

The correct answers are:

Use private VLANs,

Enable BPDU guard.,

Enable Source Guard.

Question 16

Not answered

Marked out of 2.00

Refer to the exhibit. The network administrator is configuring the port security feature on switch SWC. The administrator issued the command show port-security interface fa0/2 to verify the configuration. What cannot be concluded from the output that is shown? (Choose three.)

```
SWC# show port-security interface fa0/2
Port Security           : Enabled
Port Status             : Secure-up
Violation Mode          : Shutdown
Aging Time              : 0 mins
Aging Type              : Absolute
SecureStatic Address Aging : Disabled
Maximum MAC Addresses   : 3
Total MAC Addresses     : 1
Configured MAC Addresses : 1
Sticky MAC Addresses    : 0
Last Source Address:Vlan : 00E0.F7B0.086E:99
Security Violation Count : 0
```

- ☐ a. The port is configured as a trunk link.
- ☐ b. Three security violations have been detected on this interface.
- ☐ c. There is no device currently connected to this port.
- ☐ d. This port is currently up.
- ☐ e. The switch port mode for this interface is access mode.
- ☐ f. Security violations will cause this port to shut down immediately.

The correct answers are:

Three security violations have been detected on this interface.,

The port is configured as a trunk link.,

There is no device currently connected to this port.

Question 17

Not answered

Marked out of 2.00

Refer to the exhibit. Which two conclusions can be drawn from the output? (Choose two.)

```
S1# show etherchannel summary
```

```
Flags:  D - down          P - bundled in port-channel
        I - stand-alone  s - suspended
        H - Hot-standby (LACP only)
        R - Layer3       S - Layer2
        U - in use       f - failed to allocate aggregator
        M - not in use, minimum links not met
        u - unsuitable for bundling
        w - waiting to be aggregated
        d - default port
```

```
Number of channel-groups in use: 1
```

```
Number of aggregators: 1
```

Group	Port-channel	Protocol	Ports
1	Po2 (SD)	-	Fa0/1 (D) Fa0/2 (D)

- ☐ a. The port channel isn't a Layer 3 channel.
- ☐ b. The bundle is fully operational.
- ☐ c. The load-balancing method used is source port to destination port.
- ☐ d. The port channel ID is 3.
- ☐ e. The EtherChannel is up.
- ☐ f. The port channel ID is 2.

The correct answers are:

The port channel ID is 2.,

The port channel isn't a Layer 3 channel.

Question 18

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 three of the five steps required for the configuration are not? (Choose three.)

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

The correct answers are:

installing a static route,

assigning the ports to the native VLAN,

modifying the default VLAN

Question 19

Not answered

Marked out of 2.00

Which three statements do not accurately describe duplex and speed settings on Cisco 2960 switches? (Choose three.)

- ☐ a. By default, the speed is set to 100 Mb/s and the duplex mode is set to autonegotiation.
- ☐ b. By default, the autonegotiation feature is disabled.
- ☐ c. Enabling autonegotiation on a hub will prevent mismatched port speeds when connecting the hub to the switch.
- ☐ d. When the speed is set to 1000 Mb/s, the switch ports will operate in full-duplex mode.
- ☐ e. The duplex and speed settings of each switch port can be manually configured.
- ☐ f. An autonegotiation failure can result in connectivity issues.

The correct answers are:

Enabling autonegotiation on a hub will prevent mismatched port speeds when connecting the hub to the switch.,

By default, the speed is set to 100 Mb/s and the duplex mode is set to autonegotiation.,

By default, the autonegotiation feature is disabled.

Question 20

Not answered

Marked out of 2.00

Refer to the exhibit. A network administrator configures R1 for inter-VLAN routing between VLAN 10 and VLAN 20. However, the devices in VLAN 10 and VLAN 20 cannot communicate. Based on the configuration in the exhibit, what is a possible cause for the problem?

```
R1# config terminal
Enter configuration commands, one per line. End with CNTL/Z.
R1(config)# interface gigabitEthernet 0/0.1
R1(config-subif)# encapsulation dot1Q 10
R1(config-subif)# ip add 192.168.10.254 255.255.255.0
R1(config-subif)# interface gigabitEthernet 0/0.20
R1(config-subif)# encapsulation dot1Q 2
R1(config-subif)# ip add 192.168.20.254 255.255.255.0
R1(config-subif)# exit
R1(config)# interface gigabitEthernet 0/0
R1(config-if)# no shutdown
```

- ☐ a. The port Gig0/0 should be configured as trunk port.
- ☐ b. The encapsulation is misconfigured on a subinterface.
- ☐ c. The port Gig0/1 should be configured as trunk port.
- ☐ d. The commands encapsulation are wrong.
- ☐ e. The command interface gigabitEthernet 0/0.1 is wrong.
- ☐ f. A no shutdown command should be added in each subinterface configuration.

The correct answer is:

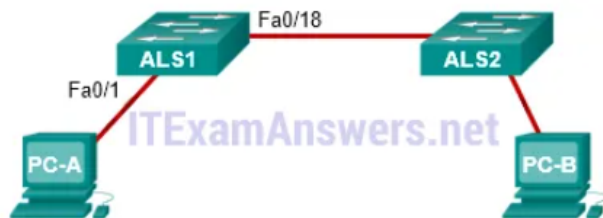
The encapsulation is misconfigured on a subinterface.

Question 21

Not answered

Marked out of 2.00

Refer to the exhibit. PC-A and PC-B are both in VLAN 60. PC-A is unable to communicate with PC-B. What is the problem?



```
ALS1# show interfaces trunk
```

Port	Mode	Encapsulation	Status	Native vlan
Fa0/18	on	802.1q	trunking	99
Port	Vlans allowed on trunk			
Fa0/18	1,10,20,30,40,50,70,80,90,100,1001-1005			
Port	Vlans allowed and active in management domain			
Fa0/18	1,10,20,30,40,50,70,80,90,100			
Port	Vlans in spanning tree forwarding state and not pruned			
Fa0/18	1,10,20,30,40,50,70,80,90,100			

- ☐ a. The trunk has been configured with the switchport nonegotiate command.
- ☐ b. The native VLAN should be VLAN 1.
- ☐ c. The native VLAN is being pruned from the link.
- ☐ d. The native VLAN should not be VLAN 99.
- ☐ e. The VLAN that is used by PC-A is not in the list of allowed VLANs on the trunk.
- ☐ f. The native VLAN should be VLAN 60.

The correct answer is:

The VLAN that is used by PC-A is not in the list of allowed VLANs on the trunk.

Question 22

Not answered

Marked out of 2.00

What command would be used as part of configuring NAT or PAT to display information about NAT configuration parameters and the number of addresses in the pool?

- ☐ a. show ip cache
- ☐ b. show ip pat
- ☐ c. show version
- ☐ d. show ip nat statistics
- ☐ e. show ip nat
- ☐ f. show running-config

The correct answer is:

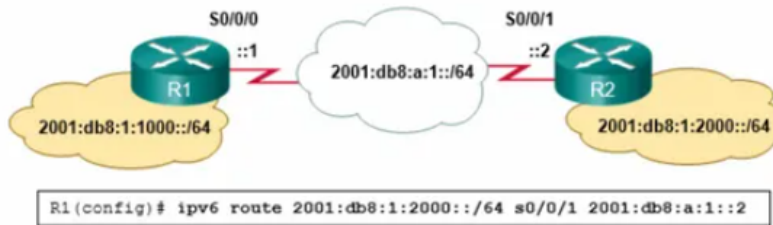
show ip nat statistics

Question 23

Not answered

Marked out of 2.00

Refer to the exhibit. An administrator is attempting to install an IPv6 static route on router R1 to reach the network attached to router R2. After the static route command is entered, connectivity to the network is still failing. What error has been made in the static route configuration?



- ☐ a. The command must contain ip instead of ipv6.
- ☐ b. The next hop address is incorrect.
- ☐ c. The interface is incorrect.
- ☐ d. The command is not complete.
- ☐ e. The network prefix is incorrect.
- ☐ f. The destination network is incorrect.

The correct answer is:

The interface is incorrect.

Question 24

Not answered

Marked out of 2.00

What three states are transient OPSF neighbor states that indicate a stable adjacency is formed between two routers? (Choose three.)

- ☐ a. full
- ☐ b. loading
- ☐ c. 2way
- ☐ d. established
- ☐ e. exchange
- ☐ f. exstart

The correct answers are:

established,

2way,

full

Question 25

Not answered

Marked out of 2.00

Which four pairs of trunking modes will not establish a functional trunk link between two Cisco switches? (Choose four.)

- ☐ a. access – trunk
- ☐ b. dynamic desirable – dynamic desirable
- ☐ c. dynamic auto – dynamic auto
- ☐ d. dynamic desirable – dynamic auto
- ☐ e. trunk - access
- ☐ f. access – dynamic auto

The correct answers are:

dynamic auto – dynamic auto,

access – trunk,

access – dynamic auto,

trunk - access

Question 26

Not answered

Marked out of 2.00

Which type of ACL should be placed closest to the destination of traffic?

- ☐ a. Decrease
- ☐ b. Standard
- ☐ c. Dynamic
- ☐ d. Reflexive
- ☐ e. Extended
- ☐ f. Static

The correct answer is:

Standard

Question 27

Not answered

Marked out of 2.00

Which command can you use to verify that an access control list is applied to an interface?

- ☐ a. Router#show interface ip
- ☐ b. Router#show interface fast 0/1
- ☐ c. Router#show ip interface fast 0/1
- ☐ d. Router#show ip access-list
- ☐ e. Router#show list-access
- ☐ f. Router#show access-list

The correct answer is:

Router#show ip interface fast 0/1

Question 28

Not answered

Marked out of 2.00

What is required before generating the encryption keys for SSH on a router or switch?

- ☐ a. Setting the time and date
- ☐ b. Setting the public key file
- ☐ c. Setting the private key file
- ☐ d. Setting the key strength
- ☐ e. Setting the hostname and domain name
- ☐ f. Setting the key repository

The correct answer is:

Setting the hostname and domain name

Question 29

Not answered

Marked out of 2.00

Which protocol and port number does DNS use for direct queries? (Choose two)

- ☐ a. 68
- ☐ b. 55
- ☐ c. HTTP
- ☐ d. UDP
- ☐ e. 53
- ☐ f. TCP

The correct answers are:

UDP,

53

Question 30

Not answered

Marked out of 2.00

What is the maximum number of MAC addresses allowed by default when port security is enable on a interface?

- ☐ a. 1 MAC address
- ☐ b. 10 MAC address
- ☐ c. 0 MAC address
- ☐ d. 2 MAC address
- ☐ e. 100 MAC address
- ☐ f. 16 MAC address

The correct answer is:

1 MAC address

Question 31

Not answered

Marked out of 2.00

Which command will display the router's ARP cache?

- ☐ a. show arp ip
- ☐ b. show arp
- ☐ c. show arp table
- ☐ d. show cache arp
- ☐ e. show arp cache
- ☐ f. show ip arp

The correct answer is:

show arp

Question 32

Not answered

Marked out of 2.00

Which measurement describes the time a packet takes from source to destination?

- ☐ a. Loss
- ☐ b. Number of cables to the destination
- ☐ c. Delay
- ☐ d. Number of routers to the destination
- ☐ e. Bandwidth
- ☐ f. Number of ports to the destination

The correct answer is:

Delay

Question 33

Not answered

Marked out of 2.00

What are two syntax rules for writing a JSON array? (Choose two.)

- ☐ a. A space must separate each value in the array.
- ☐ b. Each value in the array is separated by a comma.
- ☐ c. Values are enclosed in square brackets.
- ☐ d. Values aren't enclosed in square brackets.
- ☐ e. A semicolon separates the key and list of values.
- ☐ f. The array can include only one value type.

The correct answers are:

Each value in the array is separated by a comma.,

Values are enclosed in square brackets.

Question 34

Not answered

Marked out of 2.00

Which statement is true of an ARP request entering into a switch?

- ☐ a. The destination MAC address of the frame will be all Fs.
- ☐ b. The switch will respond directly back with an ARP request.
- ☐ c. The switch will respond directly back with an ARP message.
- ☐ d. The source MAC address of the frame will be all Fs.
- ☐ e. The switch will only forward the ARP request to the port for the destination computer.
- ☐ f. The switch will respond directly back with an ARP reply.

The correct answer is:

The destination MAC address of the frame will be all Fs.

Question 35

Not answered

Marked out of 2.00

Which one of these is a valid HSRP Virtual Mac Address?

- ☐ a. 0000.0c07.ac01
- ☐ b. 0001.0c07.ac01
- ☐ c. 0000.5E00.0110
- ☐ d. 0001.0c9f.ac01
- ☐ e. 0001.0c9f.a001
- ☐ f. 0000.5E01.0110

The correct answer is:

0000.0c07.ac01

Question 36

Not answered

Marked out of 2.00

Which are not valid modes for a switch port used as a VLAN trunk? (Choose three)

- ☐ a. desirable
- ☐ b. on
- ☐ c. auto
- ☐ d. transparent
- ☐ e. blocking
- ☐ f. forwarding

The correct answers are:

transparent,

blocking,

forwarding

Question 37

Not answered

Marked out of 2.00

Which protocol and port number does HTTPS use by default? (Choose two)

- ☐ a. UDP
- ☐ b. 81
- ☐ c. 443
- ☐ d. 444
- ☐ e. TCP
- ☐ f. 80

The correct answers are:

443,

TCP

Question 38

Not answered

Marked out of 2.00

Which protocol and port number does SSH use by default? (Choose two)

- ☐ a. 443
- ☐ b. 22
- ☐ c. 44
- ☐ d. UDP
- ☐ e. 23
- ☐ f. TCP

The correct answers are:

TCP,

22

Question 39

Not answered

Marked out of 2.00

How many bits are contained in each field of an IPv6 address?

- ☐ a. 24
- ☐ b. 4
- ☐ c. 128
- ☐ d. 15
- ☐ e. 256
- ☐ f. 16

The correct answer is:

16

Question 40

Not answered

Marked out of 2.00

Which two are features of IPv6? (Choose two)

- ☐ a. anycast
- ☐ b. nonecast
- ☐ c. allcast
- ☐ d. podcast
- ☐ e. multicast
- ☐ f. broadcast

The correct answers are:

multicast,

anycast

Question 41

Not answered

Marked out of 2.00

Which command will enable SSH version 2 for logins?

- ☐ a. Router(config)#ssh version 2
- ☐ b. Router(config)#version ssh 2
- ☐ c. Router(config-line)#version 2
- ☐ d. Router(config)#ip ssh version 2
- ☐ e. Router(config-ssh)#version 2
- ☐ f. Router(config-ssh)#2 version

The correct answer is:

Router(config)#ip ssh version 2

Question 42

Not answered

Marked out of 2.00

When a DHCP server is configured, which two IP addresses should never be assignable to hosts? (Choose two)

- ☐ a. network or subnetwork IP address
- ☐ b. broadcast address on the network
- ☐ c. IP address used by the interfaces
- ☐ d. manually assigned an address to the clients
- ☐ e. designated IP address to the DHCP server
- ☐ f. IP address leased to the LAN

The correct answers are:

network or subnetwork IP address,

broadcast address on the network

Question 43

Not answered

Marked out of 2.00

Which three options are not the HSRP states for a router? (Choose three)

- ☐ a. listen
- ☐ b. initialize
- ☐ c. speak
- ☐ d. learn
- ☐ e. primary
- ☐ f. secondary

The correct answers are:

initialize,

secondary,

primary

Question 44

Not answered

Marked out of 2.00

An administrator is configuring single-area OSPF on a router. One of the networks that must be advertised is 172.20.0.0 255.255.252.0. What wildcard mask would the administrator use in the OSPF network statement?

- ☐ a. 0.0.1.255
- ☐ b. 0.0.0.3
- ☐ c. 0.0.7.255
- ☐ d. 0.0.0.7
- ☐ e. 0.0.15.255
- ☐ f. 0.0.3.255

The correct answer is:

0.0.3.255

Question 45

Not answered

Marked out of 2.00

Which protocol and port number does Telnet use by default? (Choose two)

- ☐ a. UDP
- ☐ b. 23
- ☐ c. 24
- ☐ d. SSH
- ☐ e. 80
- ☐ f. TCP

The correct answers are:

TCP,

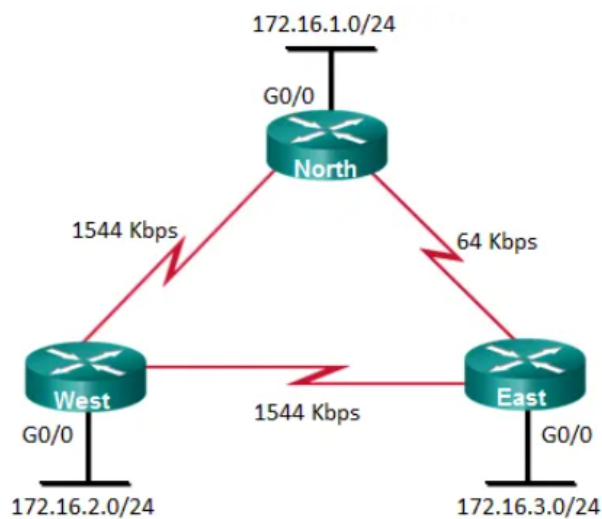
23

Question 46

Not answered

Marked out of 2.00

Refer to the exhibit. What is the OSPF cost to reach the West LAN 172.16.2.0/24 from East?



- ☐ a. 64
- ☐ b. 74
- ☐ c. 65
- ☐ d. 782
- ☐ e. 128
- ☐ f. 66

The correct answer is:

65

Question 47

Not answered

Marked out of 2.00

Which two pieces of information should be included in a logical topology diagram of a network? (Choose two.)

- ☐ a. OS/IOS version
- ☐ b. cable type and identifier
- ☐ c. connection type
- ☐ d. cable specification
- ☐ e. interface identifier
- ☐ f. device type

The correct answers are:

interface identifier,

connection type

Question 48

Not answered

Marked out of 2.00

What are two benefits of using SNMP traps? (Choose two.)

- ☐ a. They limit access for management systems only.
- ☐ b. They reduce the load on network and agent resources.
- ☐ c. They can passively listen for exported NetFlow datagrams.
- ☐ d. They do not eliminate the need for periodic voting requests.
- ☐ e. They can provide statistics on TCP/IP packets that flow through Cisco devices.
- ☐ f. They can't provide statistics on TCP/IP packets that flow through Cisco devices.

The correct answers are:

They reduce the load on network and agent resources.,

They can't provide statistics on TCP/IP packets that flow through Cisco devices.

Question 49

Not answered

Marked out of 2.00

Which two statements describe the use of asymmetric algorithms? (Choose two.)

- ☐ a. Public and private keys may not be used interchangeably.
- ☐ b. If a private key is used to encrypt the data, a private key must be used to decrypt the data.
- ☐ c. If a public key isn't used to encrypt the data, a private key must be used to decrypt the data.
- ☐ d. Public and private keys may be used interchangeably.
- ☐ e. If a public key is used to encrypt the data, a public key must be used to decrypt the data.
- ☐ f. If a private key is used to encrypt the data, a public key must be used to decrypt the data.

The correct answers are:

If a private key is used to encrypt the data, a public key must be used to decrypt the data.,

Public and private keys may not be used interchangeably.

Question 50

Not answered

Marked out of 2.00

What is a characteristic of a single-area OSPF network? (Choose two)

- ☐ a. All routers share a common forwarding database.
- ☐ b. All routers haven't the same neighbor table.
- ☐ c. All routers aren't in the backbone area.
- ☐ d. All routers have the same routing table.
- ☐ e. All routers are in the backbone area.
- ☐ f. All routers have the same neighbor table.

The correct answers are:

All routers are in the backbone area.,

All routers haven't the same neighbor table.