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QUESTION 1

Which two server types are used to support DNS lookup? (Choose two) A. web server

- B. name resolver
- C. authoritative name sever
- D. ESX host
- E. file transfer server

Correct Answer: BC

QUESTION 2

Which value must you configure on a device before EIGRP for IPv6 can start running?

- A. public IP address
- B. loopback interface
- C. router ID
- D. process ID

Correct Answer: C

QUESTION 3

Which two of these are characteristics of the 802.1Q protocol? (Choose two.)

- A. It is used exclusively for tagging VLAN frames and does not address network reconvergence following switched network topology changes.
- B. It modifies the 802.3 frame header, and thus requires that the FCS be recomputed.
- C. It is a Layer 2 messaging protocol which maintains VLAN configurations across networks.
- D. It includes an 8-bit field which specifies the priority of a frame.
- E. It is a trunking protocol capable of carrying untagged frames.

Correct Answer: BE

802.1Q protocol, or Virtual Bridged Local Area Networks protocol, mainly stipulates the realization of the VLAN. 802.1Q is a standardized relay method that inserts 4 bytes field into the original Ethernet frame and re-calculate the FCS. 802.1Q

frame relay supports two types of frame: marked and non-marked. Non-marked frame carries no VLAN identification information.

QUESTION 4

Which statement about unique local IPv6 addresses is true?

- A. Summarization is not supported.
- B. They require all prefixes to be unique.
- C. Their global IDs are assigned sequentially.
- D. They are routable to the public Internet.

Correct Answer: B

QUESTION 5

The network administrator cannot connect to Switch1 over a Telnet session, although the hosts attached to Switch1 can ping the interface Fa0/0 of the router.



```
Switch1# show running-config
!
hostname Switch1
!
enable secret 5 $1$8V43$Wm12DE8klwUjf8EcZnFT7/
enable password guess
!
<output omitted>
!
interface Vlan1
 ip address 192.168.24.2 255.255.255.0
 no ip route-cache
!
 ip http server
!
line con 0
line vty 0 4
 password cisco
 login
!
end
```

Given the information in the graphic and assuming that the router and Switch2 are configured properly, which of the following commands should be issued on Switch1 to correct this problem?

- A. Switch1(config)# line con0 Switch1(config-line)# password cisco Switch1(config-line)#login
- B. Switch1(config)# interface fa0/1 Switch1(config-if)# ip address 192.168.24.3 255.255.255.0
- C. Switch1(config)# ip default-gateway 192.168.24.1
- D. Switch1(config)# interface fa0/1 Switch1(config-if)# duplex full Switch1(config-if)# speed 100
- E. Switch1(config)# interface fa0/1 Switch1(config-if)# switchport mode trunk

Correct Answer: C

Since we know hosts can reach the router through the switch, we know that connectivity, duplex, speed, etc. are good. However, for the switch itself to reach networks outside the local one, the ip default-gateway command must be used.

QUESTION 6

Between which two states does a port transition when PortFast is enabled? (Choose two)

- A. blocking
- B. forwarding
- C. active
- D. listening
- E. learning

Correct Answer: AB

QUESTION 7

Which two statements about floating static routes are true? (Choose two.)

- A. They are used as backup routes when the primary route goes down.
- B. They have a higher administrative distance than the default static route administrative distance.
- C. They are routes to the exact /32 destination address.
- D. They are used when a route to the destination network is missing.
- E. They are dynamic routes that are learned from a server.

Correct Answer: AB

QUESTION 8

Which two address are defined as private ip addresses ? (Choose two.)

- A. 192.169.32.10
- B. 10.172.76.200
- C. 172.15.2.250
- D. 12.17.1.20
- E. 172.31.255.100

Correct Answer: BE

QUESTION 9

which major ipv6 address type is supported in ipv4 but rarely used ?

- A. Broadcast
- B. multicast
- C. unicast
- D. anycast

Correct Answer: D

QUESTION 10

What are two reasons that duplex mismatches can be difficult to diagnose? (Choose two.)

- A. The interface displays a connected (up/up) state even when the duplex settings are mismatched.
- B. The symptoms of a duplex mismatch may be intermittent.
- C. Autonegotiation is disabled.
- D. Full-duplex interfaces use CSMA/CD logic, so mismatches may be disguised by collisions.
- E. 1-Gbps interfaces are full-duplex by default.

Correct Answer: AB

QUESTION 11

Which HSRP feature was new in HSRPv2?

- A. VLAN group numbers that are greater than 255
- B. virtual MAC addresses

C. tracking

D. preemption

Correct Answer: A

QUESTION 12

What command is used to verify the DLCI destination address in a Frame Relay static configuration?

A. show frame-relay pvc

B. show frame-relay lmi

C. show frame-relay map

D. show frame relay end-to-end

Correct Answer: C

Sample "show frame-relay map" output: R1#sh frame map Serial0/0 (up): ip 10.4.4.1 dlci 401(0x191,0x6410), dynamic, broadcast,, status defined, active Serial0/0 (up): ip 10.4.4.3 dlci 403(0x193,0x6430), dynamic, broadcast,, status defined, active Serial0/0 (up): ip 10.4.4.4 dlci 401(0x191,0x6410), static, CISCO, status defined, active

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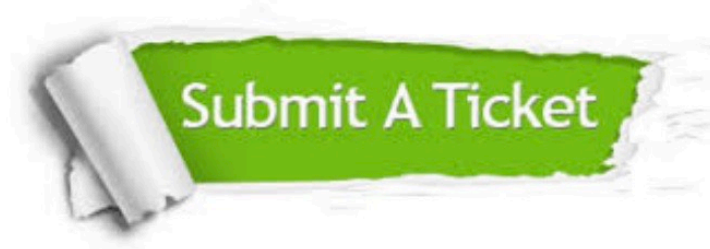
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