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QUESTION 1

Which two locations can be configured as a source for the IOS image in the boot system command? (Choose two.)

- A. RAM
- B. NVRAM
- C. flash memory
- D. HTTP server
- E. TFTP server
- F. Telnet server

Correct Answer: CE

The following locations can be configured as a source for the IOS image:

1.
+ Flash (the default location)
2.
+ TFTP server
3.
+ ROM (used if no other source is found)
- 4.

(Please read the of Question 4 for more information)

QUESTION 2

When EIGRP for IPv6 is configured, what is the effect of the distance 100 150 command?

- A. It adds 100 to the external administrative distance and adds 150 to the internal administrative distance
- B. It sets the internal EIGRP administrative distance to 100 and the external EIGRP administrative distance to 150
- C. It sets the external EIGRP administrative distance to 100 and the internal EIGRP administrative distance to 150 E.
- D. It adds 100 to the internal administrative distance and adds 150 to the external administrative distance

Correct Answer: B

QUESTION 3



Drag the Frame Relay acronym on the left to match its definition on the right. (Not all acronyms are used.)

Select and Place:

Drag the Frame Relay acronym on the left to match its definition on the right. (Not all acronyms are used.)

CIR	a router is this type of device
DCE	the most common type of virtual circuit
DTE	provides status messages between DTE and DCE devices
LMI	identifies the virtual connection between the DTE and the switch
PVC	
SVC	
DLCI	

Correct Answer:

Drag the Frame Relay acronym on the left to match its definition on the right. (Not all acronyms are used.)

CIR	DTE
DCE	PVC
	LMI
	DLCI
SVC	

QUESTION 4

Refer to the exhibit.

```

R1# show ip route
172.31.0.0/16 is variably subnetted, 3 subnets, 2 masks
S    172.31.3.16/28 [1/0] via 172.31.123.3
S    172.31.3.0/28 [1/0] via 172.31.123.3
S    172.31.2.0/28 [1/0] via 172.31.123.2
  
```

Which two statements about the route 172.61.3.16/28 are true? (Choose two)

A. It has a metric of 1



- B. It is less preferred than dynamically learned routes C. It is preferred over dynamically learned routes
- D. It was learned from a remote router
- E. It has a default administrative distance of 1

Correct Answer: CE

QUESTION 5

Which command can you enter to determine the addresses that have been assigned on a DHCP Server?

- A. Show ip DHCP database.
- B. Show ip DHCP pool.
- C. Show ip DHCP binding.
- D. Show ip DHCP server statistic.

Correct Answer: C

Reference:

<http://www.aubrett.com/InformationTechnology/RoutingandSwitching/Cisco/CiscoRouters/DHCPBindings.aspx>

```
"Router#show ip dhcp binding
```

```
Bindings from all pools not associated with VRF:
```

```
IP address Client-ID/ Lease expiration Type
```

```
10.16.173.0 24d9.2141.0ddd Jan 12 2013 03:42 AM Automatic"
```

QUESTION 6

Which two commands can you use to configure an LACP EtherChannel? (Choose two)

- A. channel-group 10 mode on
- B. channel-group 10 mode auto
- C. channel-group 10 mode passive
- D. channel-group 10 mode desirable
- E. channel-group 10 mode active

Correct Answer: CE



QUESTION 7

Which three statements about VTP features are true? (Choose three.)

- A. VTP works at Layer 3 of the OSI model and requires that a management VLAN IP address be configured.
- B. When properly configured, VTP minimizes VLAN misconfigurations and configuration inconsistencies.
- C. When properly configured, VTP maintains VLAN configuration consistency and accelerates trunk link negotiation.
- D. Each broadcast domain on a switch can have its own unique VTP domain.
- E. VTP pruning is used to increase available bandwidth in trunk links.
- F. To configure a switch to be part of two VTP domains, each domain must have its own passwords.
- G. Client, server, and transparent are valid VTP modes.

Correct Answer: BEG

QUESTION 8

Which command is used to display the collection of OSPF link states?

- A. show ip ospf link-state
- B. show ip ospf lsa database
- C. show ip ospf neighbors
- D. show ip ospf database

Correct Answer: D

The "show ip ospf database" command displays the link states. Here is an example:

Here is the lsa database on R2.

```
R2#show ip ospf database
```

```
OSPF Router with ID (2.2.2.2) (Process ID 1)
```

```
Router Link States (Area 0)
```

```
Link ID ADV Router Age Seq# Checksum Link count
```

```
2.2.2.2 2.2.2.2 793 0x80000003 0x004F85 2
```

```
10.4.4.4 10.4.4.4 776 0x80000004 0x005643 1
```

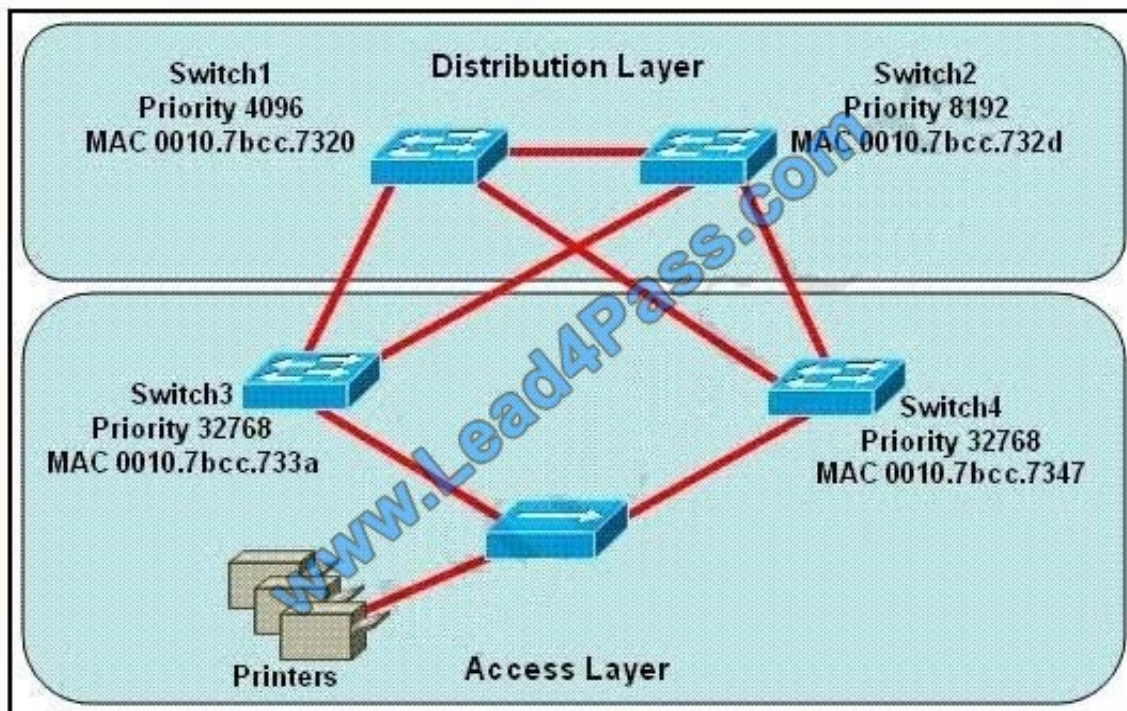
```
111.111.111.111 111.111.111.111 755 0x80000005 0x0059CA 2 133.133.133.133 133.133.133.133 775 0x80000005  
0x00B5B1 2 Net Link States (Area 0) Link ID ADV Router Age Seq# Checksum
```



10.1.1.1 111.111.111.111 794 0x80000001 0x001E8B
10.2.2.3 133.133.133.133 812 0x80000001 0x004BA9
10.4.4.1 111.111.111.111 755 0x80000001 0x007F16
10.4.4.3 133.133.133.133 775 0x80000001 0x00C31F

QUESTION 9

Refer to the exhibit.



Which switch provides the spanning-tree designated port role for the network segment that services the printers?

- A. Switch1
- B. Switch2
- C. Switch3
- D. Switch4

Correct Answer: C

Printers are connected by hubs. Decide the switch that provides the spanning-tree designated port role between Switch3 and Switch4. They have the same priority 32768. Compare their MAC addresses. Switch3 with a smaller MAC address will provide a designated port for printers.

QUESTION 10



Refer to the exhibit: after you apply the give confugreations to R1 and R2 you notice that OSPFv3 fails to start Which reason for the problem is most likely true ?

```
R1
ipv6 unicast-routing

interface FastEthernet0/0
  no ip address
  ipv6 enable
  ipv6 address 2001:DB8:12::1/64
  ipv6 ospf 1 area 0

ipv6 router ospf 1
  router-id 172.16.2.1

R2
ipv6 unicast-routing

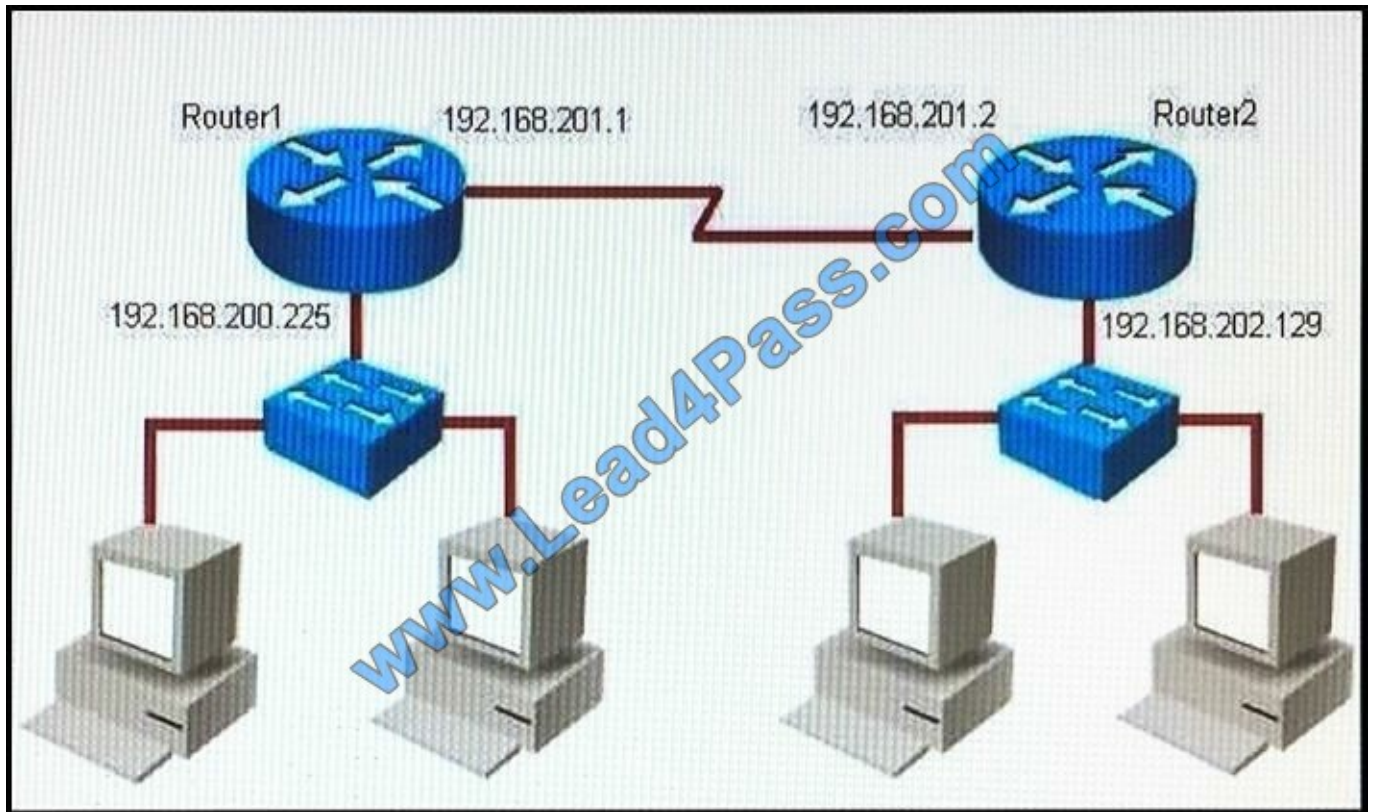
interface FastEthernet0/0
  no ip address
  ipv6 enable
  ipv6 address 2001:DB8:12::2/64
  ipv6 ospf 1 area 1

ipv6 router ospf 1
  router-id 172.16.2.2
```

- A. The area numbers on R1 and R2 are mismatched
- B. The IPv6 network addresses on R1 and R2 are mismatched
- C. The autonomous system numbers on R1 and R2 are mismatched
- D. The router ids on R1 and R2 are mismatched

Correct Answer: A

QUESTION 11



Refer to the exhibit. Which command would you use to configure a static route on Router1 to network 192.168.202.0/24 with a nondefault administrative distance?

- A. `router1(config)#ip route 192.168.202.0 255.255.255.0 192.168.201.2 1`
- B. `router1(config)#ip route 192.168.202.0 255.255.255.0 192.168.201.2 5`
- C. `router1(config)#ip route 1 192.168.201.1 255.255.255.0 192.168.201.2`
- D. `router1(config)#ip route 5 192.168.202.0 255.255.255.0 192.168.201.2`

Correct Answer: A

QUESTION 12

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.



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.



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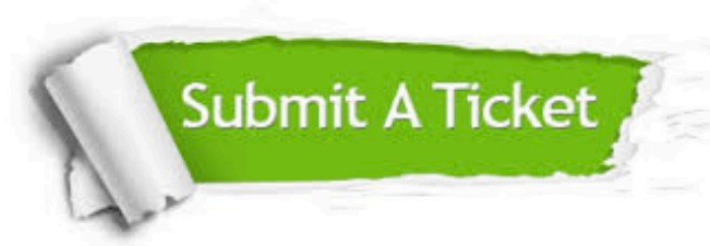
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