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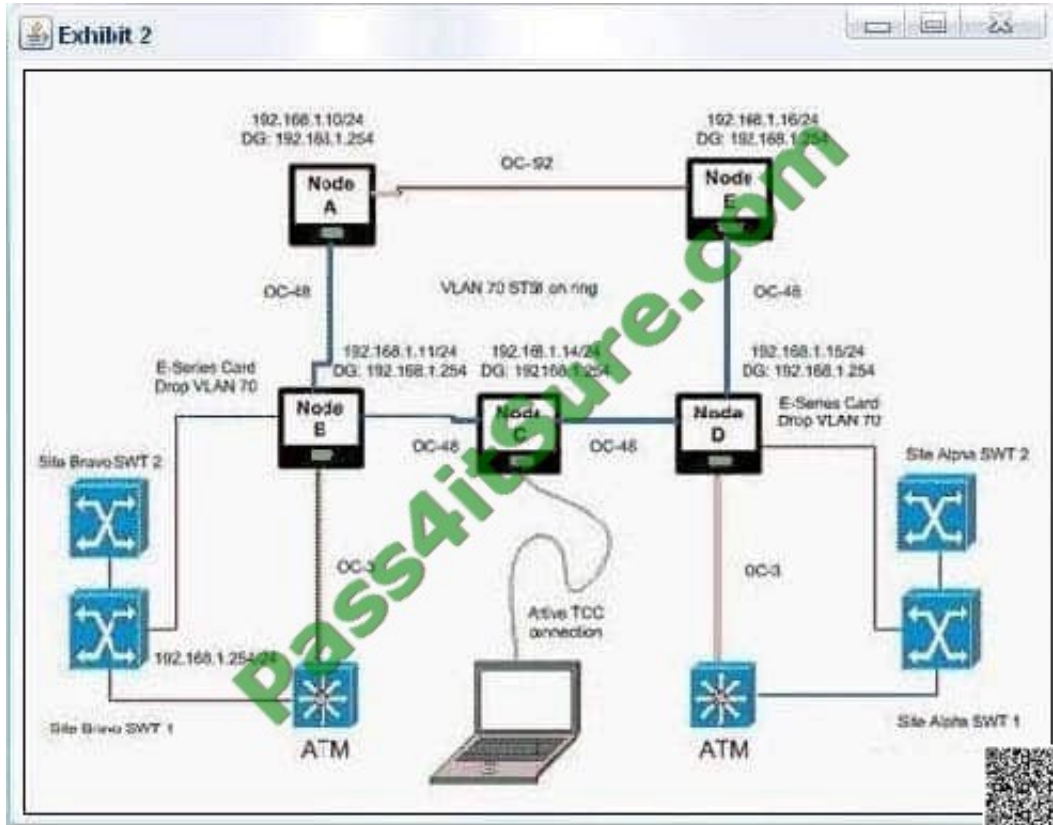
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QUESTION 1

Click the Exhibit button.



With a router connected to node E, and a laptop connected to node C, in what node would you put a static route to access this network from an external IP network?

- A. None. A static route is only required when OSPF is disabled on the DCC and each node is on a different subnet.
- B. In Node E
- C. In Node B
- D. In Nodes B and D

Correct Answer: B

QUESTION 2

Click the Exhibit button to view the configuration.



```
interface eth 0
ip add 10.0.0.1 255.255.255.0

router rip
network 10.0.0.0
passive-interface ethernet 0
neighbor 10.0.0.2
```

What statement is correct concerning the shown configuration?

- A. Two RIP updates will be sent out on Ethernet 0: one broadcast to 255.255.255.255 and one unicast to 10.0.0.2.
- B. Only one RIP update will be sent out on Ethernet 0 to the broadcast address 255.255.255.255, but no RIP updates will be received on Ethernet 0.
- C. Two RIP updates will be sent out on Ethernet 0, one broadcast to 10.255.255.255 and one unicast to 10.0.0.2.
- D. Only one RIP update will be sent out on Ethernet 0 to the unicast address 10.0.0.2.

Correct Answer: D

QUESTION 3

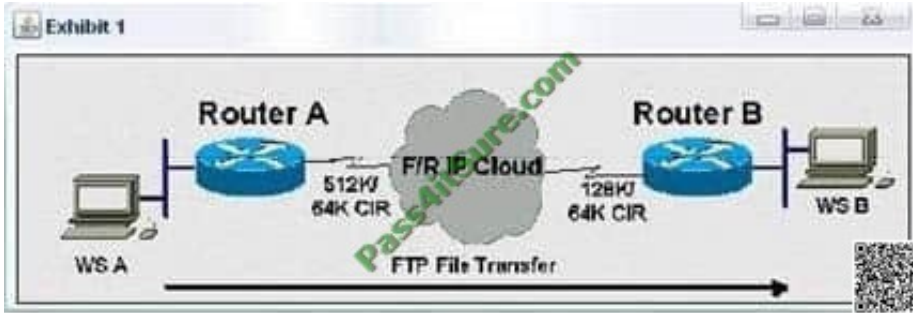
Which three are examples of a non-linear effect? (Choose Three)

- A. Self phase modulation
- B. Four-wave mixing
- C. Chromatic dispersion
- D. stimulated Brillouin Scattering
- E. Attenuation

Correct Answer: ABD

QUESTION 4

Click the Exhibit to view the

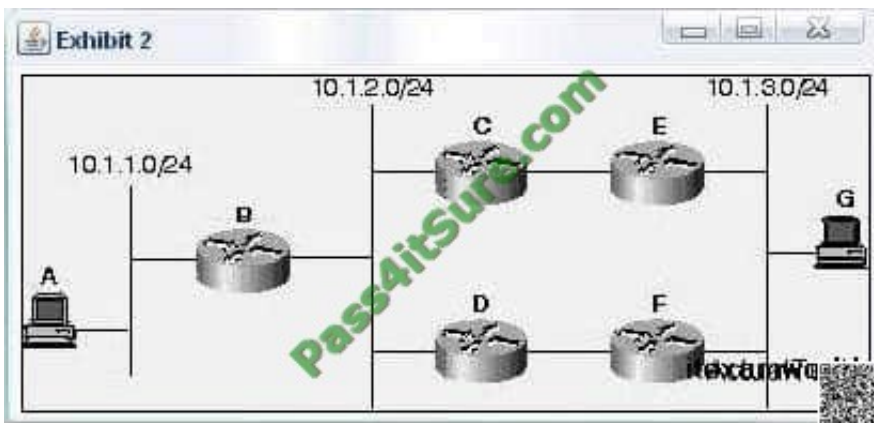


Router A has a 512K-access port into the frame relay cloud. Router B has 128K-access port into the frame relay cloud. The two routers are connected with symmetrical PVCs that are configured for 64K committed information rate (CIR). What Frame Relay Traffic Shaping map- class sub- command should be entered on Router A to prevent workstation A from overrunning the access port on Router B?

- A. frame-relay traffic-rate 128000 512000
- B. frame-relay traffic-rate 64000 512000
- C. frame-relay traffic-rate 512000 64000
- D. frame-relay traffic-rate 128000 64000
- E. frame-relay traffic-rate 64000 128000

Correct Answer: E

QUESTION 5



Routers E and F are running HSRP (Hot Standby Router Protocol). Router E has a higher priority, and both routers have standby preempt configured. Since Router E is normally the active router, what IP address should Host G use for its default gateway?

- A. 10.1.3.1
- B. Router E's IP address, since it is normally active; Router F will take over Router E's address if it fails.
- C. Router F's IP address; the active router will take over the standby router's IP address until it fails
- D. The virtual address configured when enabling HSRP



E. The virtual address assigned by HSRP; this address is dependent on the group number configured

Correct Answer: D

QUESTION 6

Which describe the benefits that FICON has over ESCON?

- A. Increased channel capacity due to new architecture
- B. Increased channel capacity due to faster physical link rates
- C. Increased channel capacity due to Upper Level Protocol Mapping
- D. Increased channel capacity due to improved SCSI header re-write algorithms
- E. FICON offers no significant advantage over ESCON

Correct Answer: AB

QUESTION 7

Click the Exhibit button to view the configuration.

```
st1lab-8510>sh bootflash
-#- ED --type-- --crc--- -seek-- nlen length- ----date/time----- name
1  .. unknown 9DA13DA5 3576AC 3 3241516 Aug 22 1998 08:34:22 cat8510c-in
2  .D unknown 8CDE134F 4538A3 22 2494584 Jul 20 1997 09:33:02 cat8510b-in
```

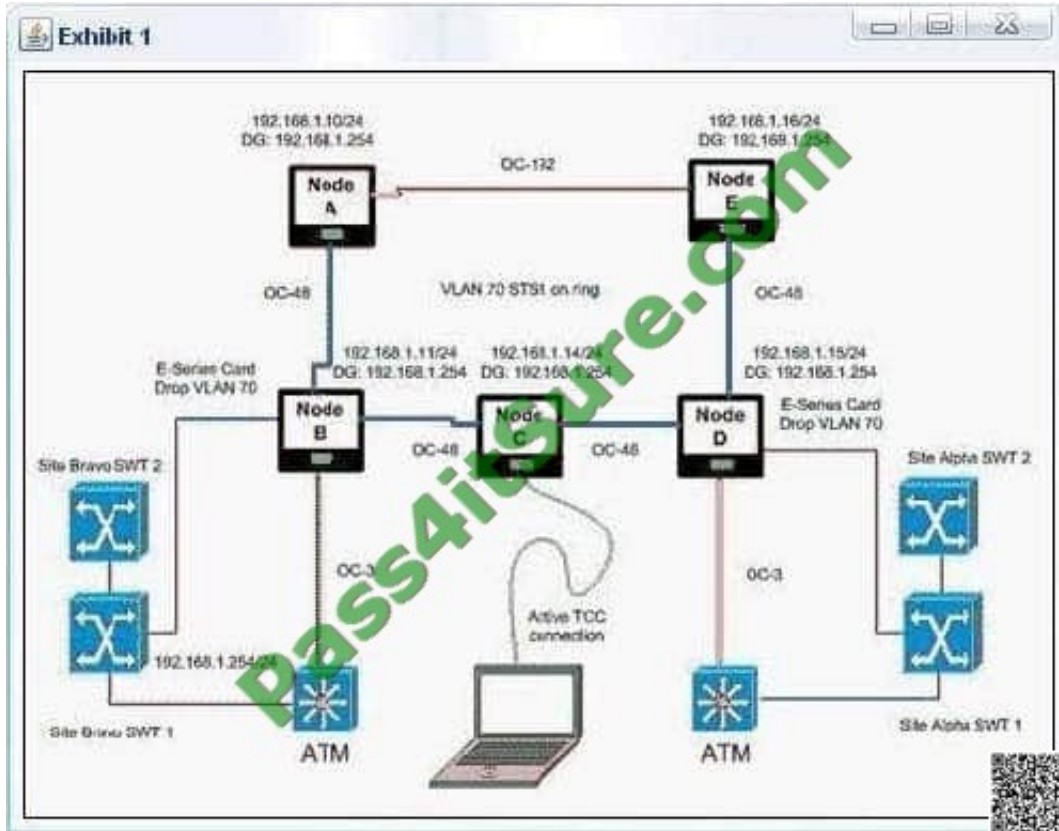
Upon deleting an IOS image file from flash, an execution of show flash shows the file still in flash, with a '\\D\\' preceding it (as shown in the exhibit). What step must be taken in order to remove the file completely?

- A. Erase the file from flash
- B. Format the flash device
- C. Replace the flash card. it is defective
- D. Execute a squeeze command on the flash device

Correct Answer: D

QUESTION 8

Click the Exhibit button.



In the figure, what IP address would you assign to a desktop connected to the TCC port on node

- A. Would a static route be needed to allow access to other nodes, and in which node would you install it?
- B. Any Pingable IP address from Telnet session in Site Bravo SW1, No static route needed to allow access to other nodes.
- C. 192.168.1.101/24, Yes in Node E, local subnet pointed to 192.168.1.254.
- D. 192.168.1.152/24, No Static route needed to allow access to other nodes.
- E. 192.168.1.14/24, No Static route needed to allow access to other nodes.

Correct Answer: C

QUESTION 9

BGP can implement a policy of "Route Dampening" to control route instability. What statement about route dampening is NOT correct?

- A. A numeric penalty is applied to a route each time it flaps.
- B. The penalty is exponentially decayed according to parameters, such as half-life-time.
- C. The history of unstable routes is forwarded back to the sender to control future updates.
- D. The route is eventually suppressed based on a configurable "suppress limit".



Correct Answer: C

QUESTION 10

In SDH a VC-3 is built to contain the following PDH rates:

- A. 155Mbit/s
- B. 140Mbit/s
- C. 622Mbit/s
- D. 45Mbit/s and 34Mbit/s

Correct Answer: D

QUESTION 11

In Frame Relay, the FECN bit is set by:

- A. The Frame Relay network, to inform the DTE receiving the frame that congestion was experienced in the path from source to destination
- B. The Frame Relay network, in frames traveling in the opposite direction from those frames that encountered congestion
- C. The receiving DTE, to inform the Frame Relay network that it is overloaded and that the switch should throttle back
- D. The sending DTE, to inform the Frame Relay network that it is overloaded and that the switch should throttle back
- E. Any device that uses an extended DLCI address

Correct Answer: A

QUESTION 12

Click the Exhibit button.



```
Exhibit 1

Node 1 SRP 2/0 10.10.10.50
Node 2 SRP 5/0 10.10.10.25

Node-1#show controllers srp 2/0
SRP2/0 - Side A (Outer RX, Inner TX)
Framing : SONET
Rx SONET/SDH bytes: (K1/K2) = 0/0
Tx SONET/SDH bytes: (K1/K2) = 0/0
Clock source : Internal
Framer loopback : None
Path trace buffer : Stable
Remote hostname : dalsplab12008c
Remote interface: SRP2/0
Remote IP addr : 10.10.10.50
Remote side id : B

SRP2/0 - Side B (Inner RX, Outer TX)
Framing : SONET
Rx SONET/SDH bytes: (K1/K2) = 0/0
Tx SONET/SDH bytes: (K1/K2) = 0/0
Clock source : Internal
Framer loopback : None
Path trace buffer : Stable
Remote hostname : dalsplab12008c
Remote interface: SRP2/0
Remote IP addr : 10.10.10.50
Remote side id : A

Node-2#show controllers srp 5/0
SRP5/0 - Side A (Outer RX, Inner TX)
Framing : SONET
Rx SONET/SDH bytes: (K1/K2) = 0/0
Tx SONET/SDH bytes: (K1/K2) = 0/0
Clock source : Internal
Framer loopback : None
Path trace buffer : Stable
Remote hostname : Router
Remote interface: SRP5/0
Remote IP addr : 10.10.10.25
Remote side id : B

SRP5/0 - Side B (Inner RX, Outer TX)
Framing : SONET
Rx SONET/SDH bytes: (K1/K2) = 0/0
Tx SONET/SDH bytes: (K1/K2) = 0/0
Clock source : Internal
Framer loopback : None
Path trace buffer : Stable
Remote hostname : Router
Remote interface: SRP5/0
Remote IP addr : 10.10.10.25
Remote side id : A
```

A customer has improperly installed a 2-node OC-12 SRP ring using dark fiber. Based on the printout from each node shown in the exhibit, what is the problem?

- A. Misconfigured timing
- B. Single faulty span or fiber between nodes
- C. A-B side SRP interfaces are fiber-looped on each node
- D. A-B side TX-TX and RX-RX fibers connected between nodes
- E. A-A and B-B side SRP interfaces connected between nodes

Correct Answer: C

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