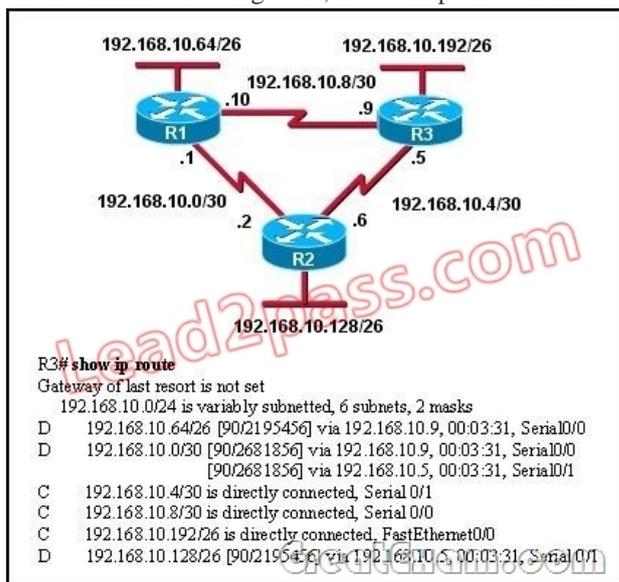
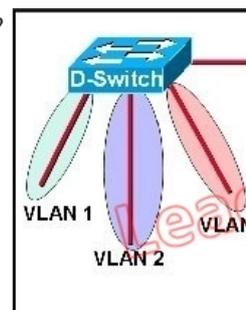


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QUESTION 111 Which characteristics are representative of a link-state routing protocol? (Choose three.)
A. provides common view of entire topology
B. exchanges routing tables with neighbors
C. calculates shortest path
D. utilizes event-triggered updates
E. utilizes frequent periodic updates
Answer: ACDE
Explanation: Each of routers running link-state routing protocol learns paths to all the destinations in its "area" so we can say although it is a bit unclear. Link-state routing protocols generate routing updates only (not the whole routing table) when a change occurs in the network topology so Link-state routing protocol like OSPF uses Dijkstra algorithm to calculate the shortest path ->. Unlike Distance vector routing protocol (which utilizes frequent periodic updates), link-state routing protocol utilizes event-triggered updates (only sends update when a change occurs) ->
QUESTION 112 Refer to the exhibit. Based on the exhibited routing table, how will packets from a host within the 192.168.10.192/26 LAN be forwarded to 192.168.10.1?

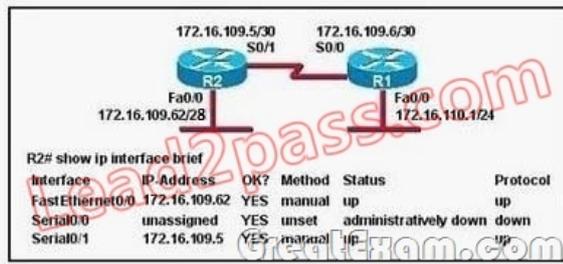


A. The router will forward packets from R3 to R2 to R1.
B. The router will forward packets from R3 to R1 to R2.
C. The router will forward packets from R3 to R2 to R1 AND from R3 to R1.
D. The router will forward packets from R3 to R1.
Answer: CE
Explanation: From the routing table we learn that network 192.168.10.0/30 is learned via 2 equal-cost paths (192.168.10.9 & 192.168.10.5) -> traffic to this network will be load-balancing.
QUESTION 113 Refer to the exhibit. C-router is to be used as a "router-on-a-stick" to route between the VLANs. All the interfaces have been properly configured and IP routing is operational. The hosts in the VLANs have been configured with the appropriate default gateway. What is true about this configuration?



A. These commands need to be added to the configuration: C-router(config)# router eigrp 123
C-router(config-router)# network 172.19.0.0
B. These commands need to be added to the configuration: C-router(config)# router ospf 1
C-router(config-router)# network 172.19.0.0 0.0.3.255 area 0
C. These commands need to be added to the configuration: C-router(config)# router rip
C-router(config-router)# network 172.19.0.0
D. No further routing configuration is required.
Answer: D
Explanation: Since all the same router (C-router) is the default gateway for all three VLANs, all traffic destined to a different VLA will be sent to the C-router. The C-router will have knowledge of all three networks since they will appear as directly connected in the routing table. Since the C-router already knows how to get to all three networks, no routing protocols need to be configured.
QUESTION 114 Which command would you configure globally on a Cisco router that would allow you to view directly connected Cisco devices? A.

exhibit. Assuming that the entire network topology is shown, what is the operational status of the interfaces of R2 as indicated by the command output shown?

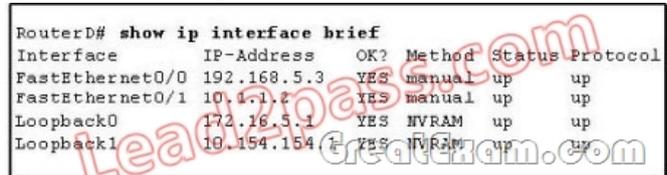


A. One interface has a problem. B. Two interfaces have problems. C. The interfaces are functioning correctly. D. The operational status of the interfaces cannot be determined from the output shown. Answer: C Explanation: The output shown shows normal operational status of the router's interfaces. Serial0/0 is down because it has been disabled using the "shutdown" command.

QUESTION 119 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 Answer: CE Explanation: 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)

QUESTION 120 Refer to the exhibit. Given the output for this command, if the router ID has not been manually set, what router ID will OSPF use for this router?



A. 10.1.1.2 B. 10.154.154.1 C. 172.16.5.1 D. 192.168.5.3 Answer: C Explanation: The highest IP address of all loopback interfaces will be chosen -> Loopback 0 will be chosen as the router ID. If you want to pass the Cisco CCNA 200-120 exam successfully, recommend to read latest Cisco [200-120 dumps](#) full version.

