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<http://www.lead2pass.com/100-105.html> QUESTION 221 From where does a small network get its IP network address? A. Internet Assigned Numbers Authority (IANA) B. Internet Architecture Board (IAB) C. Internet Service Provider (ISP) D. Internet Domain Name Registry (IDNR) Answer: C QUESTION 222 A network administrator has subnetted the 172.16.0.0 network using a subnet mask of 255.255.255.192. A duplicate IP address of 172.16.2.120 has accidentally been configured on a workstation in the network. The technician must assign this workstation a new IP address within that same subnetwork. Which address should be assigned to the workstation? A. 172.16.1.80 B. 172.16.2.80 C. 172.16.1.64 D. 172.16.2.64 E. 172.16.2.127 F. 172.16.2.128 Answer: B QUESTION 223 Refer to the exhibit. A network technician is unable to ping from R1 to R2. What will help correct the problem? A. Ensure that the serial cable is correctly plugged in to the interfaces. B. Apply the clock rate 56000 configuration command to the serial0/1 interface of R1. C. Configure the serial0/1 interfaces on R1 and R2 with the no shutdown command. D. Change the address of the serial0/1 interface of R1 to 192.1.1.4. E. Change the subnet masks of both interfaces to 255.255.255.240. Answer: A QUESTION 224 SW-C has just been added to the network shown in the graphic. What is the purpose of assigning a default gateway to this switch? A. allows connectivity to Router B from the switch prompt B. allows console port connectivity to the switch from Host A C. allows connectivity to remote network devices from Host B D. allows the switch to pass traffic between Host A and Host B Answer: A QUESTION 225 What is the maximum number of bits that can be borrowed to create subnets if a Class B network address is being used? A. 2 B. 6 C. 8 D. 14 E. 16 Answer: D QUESTION 226 Which three network addresses are reserved for private network use? (Choose three.) A. 10.0.0.0 B. 172.15.0.0 C. 172.31.0.0 D. 192.162.24.0 E. 192.168.255.0 F. 224.192.0.0 Answer: ACE QUESTION 227 Which form of NAT maps multiple private IP addresses to a single registered IP address by using different ports? A. static NAT B. dynamic NAT C. overloading D. overlapping E. port loading Answer: C QUESTION 228 Refer to the exhibit. A network technician has added host A to the network. Host A cannot communicate on the network. A ping that is issued on the host to address 127.0.0.1 fails. What is the problem? A. The router is not forwarding the ping packets to network 127.0.0.0. B. The remote host at 127.0.0.1 is unreachable. C. The default gateway is incorrect. D. The IP address of host A is incorrect. E. The TCP/IP protocols are not loaded. Answer: E QUESTION 229 Refer to the exhibit. Pierre has just installed the mail server and Switch2. For security reasons UDP packets are not permitted outbound on the Fa0/1 router interface. Pierre is now at his workstation testing the new installation and is not able to establish SMTP communication to the mail server. What is the most likely cause for lack of communication between Pierre's workstation and the mail server? A. The crossover cable should be a straight-through cable. B. UDP is blocked coming out of the Fa0/1 interface on the router. C. The server should be directly connected to the router. D. The IP addresses are all on the same network. No router is required. Answer: A QUESTION 230 Refer to the exhibits labeled A through E. All devices are to be connected over Ethernet. Which three device-to-device configurations are likely to require the use of a crossover connection? (Choose three.) A. exhibit AB. exhibit BC. exhibit CD. exhibit DE. exhibit E Answer: ADE QUESTION 231 Refer to the exhibit. Which two statements are true of the interface configuration? (Choose two.) A. The encapsulation in use on this interface is PPP. B. The default serial line encapsulation is in use on this interface. C. The address mask of this interface is 255.255.255.0. D. This interface is connected to a LAN. E. The interface is not ready to forward packets. Answer: AC QUESTION 232 Refer to the exhibit. What value should be displayed in Box 1 of the ipconfig output of host A? A. 172.18.14.5 B. 172.18.14.6 C. 192.168.1.10 D. 192.168.1.11 E. 192.168.1.250 F. 192.168.1.254 Answer: F QUESTION 233 The internetwork shown in the diagram is experiencing network connectivity problems. What is the cause of the problem? A. The cabling connecting host A to Switch3 is too long. B. The address of host B is a broadcast address. C. The IP address of interface Fa0/0 of Router1 is not a usable address. D. The cable connecting Switch2 and Switch3 should be a crossover. E. The IP address of Server 1 is in the wrong subnet. Answer: D QUESTION 234 Refer to the exhibit. Which two of the output fields could help you determine if a broadcast storm has occurred? (Choose two.) A. giants B. no buffer C. collisions D. ignored E. dribble condition Answer: BD QUESTION 235 Refer to the exhibit. What does the address 192.168.2.167 represent? A. the TFTP server from which the file startup-config is being transferred B. the router from which the file startup-config is being transferred C. the TFTP server from which the file router-config is being transferred D. the TFTP server to which the file router-config is being transferred E. the router to which the file router-config is being transferred F. the router to which the file startup-config is being transferred Answer: D QUESTION 236 Refer to the exhibit. Two 2950 switches connect through ports fa0/24 using a

straight-through cable. Based on the output that is shown in the exhibit and the information that is given, what can be concluded about this network? A. STP can not be configured on a FastEthernet ports. B. An IP address and default gateway must be configured on each switch. C. The switches do not share the same VTP domain. D. Port fa0/24 must be configured as a trunk in order for the switches to share neighbor information. E. The switches are cabled incorrectly. Answer: E

QUESTION 237 In which situation would the use of a static route be appropriate? A. To configure a route to the first Layer 3 device on the network segment. B. To configure a route from an ISP router into a corporate network. C. To configure a route when the administrative distance of the current routing protocol is too low. D. To reach a network is more than 15 hops away. E. To provide access to the Internet for enterprise hosts. Answer: B

QUESTION 238 Hotspot question Click on the correct location or locations in the exhibit. Answer: 172.16.236.4 Answer: 10.4.8.1 Answer: The router with the address 172.16.236.1 has a route it can use to reach network of the DNS server Answer: The network card on the computer is functioning correctly. The device with the IP address 172.16.236.1 is reachable over the network. Answer: The router uses an ARP request to obtain the correct MAC address for the computer. It then encapsulates the packet in a frame addressed to the MAC address 00-0D-60-FD-F0-34.

QUESTION 239 Which NTP command configures the local device as an NTP reference clock source? A. ntp peer B. ntp broadcast C. ntp master D. ntp server Answer: C

QUESTION 240 Which routing protocol has the smallest default administrative distance? A. IBGP B. OSPF C. IS-IS D. EIGRP E. RIP Answer: D

Explanation:

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