Cisco Interconnecting Cisco Networking Devices Part 1 (ICND1 v3.0)

1. Refer to the exhibit. Which statement is correct regarding the results shown for the show interface s0/0/0 command?

A. This interface can be enabled by issuing a no shutdown command.

B. The subnet mask for this interface is 255.255.255.252.

C. The IP address that is configured on s0/0/0 is a public address.

D. The subnet mask for this interface is 255.255.255.248.

E. The default encapsulation protocol for a Cisco serial interface is PPP.

Answer(s): A

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2. The command ip route 192.168.100.160 255.255.255.224 192.168.10.2 was issued on a router.

A. The interface with IP address 192.168.10.2 is on this router.

B. The command sets a gateway of last resort for the router.

C. Packets that are destined for host 192.168.100.160 will be sent to 192.168.10.2.

D. The command creates a static route for all IP traffic with the source address 192.168.100.160.

Answer(s): C

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3. Which two messages are used to initialize a TCP handshake? (Choose two.)

A. HELLO

B. JOIN

C. NSAP

D. ACK

E. SYN

Answer(s): D,E

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4. Which two address types are included with IPv6? (Choose two.)

A. unspecified addresses

B. default gateway addresses

C. multicast addresses

D. public addresses

E. private addresses

Answer(s): A,C

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5. Which two steps must you perform to enable router-on-a-stick on a switch? (Choose two.)

A. Configure an IP route to the VLAN destination network.

B. Configure the subinterface number exactly the same as the matching VLAN.

C. Assign the access port to a VLAN.

D. Connect the Router to a trunk port.

E. Configure full duplex.

Answer(s): D,E

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6. In which situation would the use of a static route be appropriate?

A. To reach a network is more than 15 hops away.

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 provide access to the Internet for enterprise hosts.

E. To configure a route to the first Layer 3 device on the network segment.

Answer(s): B

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7. Which technology supports the stateless assignment of IPv6 addresses?

A. DNS

B. DHCPv6

C. DHCP

D. autoconfiguration

Answer(s): D

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8. Which IPv6 address type is used publicly for hosts?

A. link local

B. unique local

C. global unicast

D. IPv4 mapped

Answer(s): C

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9. Which command can you enter when you establish a Telnet connection to a network device so that console messages are displayed?

A. terminal monitor

B. logging buffered

C. show cpu

D. logging

Answer(s): A

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10. An administrator is working with the 192.168.4.0 network, which has been subnetted with a /26 mask. Which two addresses can be assigned to hosts within the same subnet? (Choose two.)

A. 192.168.4.61

B. 192.168.4.63

C. 192.168.4.67

D. 192.168.4.125

E. 192.168.4.128

F. 192.168.4.132

Answer(s): C,D

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11. A router is deployed with the default factory settings. If a user on the router mistypes a command, which option is the result?

A. The router disables DNS lookup.

B. The router immediately returns an error message.

C. The router attempts to resolve the command to an IP address.

D. The router autocorrects the mistyped command.

E. The router recognizes the mistake and discards the request.

Answer(s): C

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12. Refer to the exhibit. Which utility is used to test DNS connectivity on each device on the given network?

A. show hosts

B. show interfaces

C. ping

D. ipconfig

Answer(s): C

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13. If you change the weight and distance parameters on a device with an established bgp neighbor, which additional task must you perform to allow two devices to continue exchanging routes ?

A. reset the BGP connections on the device

B. Clear the IP routers on the device

C. Change the weight and distance settings on the other device to match

D. reset the gateway interface

Answer(s): C

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14. Which symptom most commonly indicates that two connecting interfaces are configured with a duplex mismatch?

A. an interface with a down/down status

B. an interface with an up/down status

C. collisions on the interface

D. the spanning-tree process shutting down

Answer(s): C

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15. What feature you should use to analyse and monitor your traffic for troubleshooting?

A. RSPAN

B. Netflow

C. SPAN

D. SNMP

Answer(s): B

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16. Which two configuration steps will prevent an unauthorized PC from accessing the corporate network? (Choose two.)

A. enable port security on the switch

B. create the port as an access port and statically assign the MAC address to the address table

C. configure the switch to discover new MAC addresses after a set time of inactivity

D. set the port security aging time to 0

E. create the port as a protected port and statically assign the MAC address to the address table

Answer(s): A,B

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17. What does administrative distance refer to?

A. the cost of a link between two neighboring routers

B. the advertised cost to reach a network

C. the cost to reach a network that is administratively set

D. a measure of the trustworthiness of a routing information source

Answer(s): D

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18. Hotspot Question

A. There is an area ID mismatch.

B. There is a PPP authentication issue; a password mismatch.

C. There is an OSPF hello and dead interval mismatch.

D. There is a missing network command in the OSPF process on R5.

Answer(s): C

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19. Which IPV6 feature is supported in IPV4 but is not commonly used?

A. anycast

B. unicast

C. broadcast

D. multicast

Answer(s): A

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20. What is the purpose of assigning an IP address to a switch?

A. provides local hosts with a default gateway address

B. allows remote management of the switch

C. allows the switch to respond to ARP requests between two hosts

D. ensures that hosts on the same LAN can communicate with each other

Answer(s): B