

Huawei.H12-811_V1.0.v2025-08-15.q266

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NEW QUESTION: 1

How many port states are involved in RSTP?

- A. 1
- B. 2
- C. 4
- D. 3

Answer: D (LEAVE A REPLY)

Detailed Explanation: In RSTP, there are three port states: Discarding, Learning, and Forwarding. These states replace the five traditional STP states by combining them to optimize network convergence.

NEW QUESTION: 2

By referring to the network structure and OSPF areas shown in the figure, it can be determined that all routers on the network except RTA are ABRs.

- A. TRUE
- B. FALSE

Answer: (SHOW ANSWER)

Comprehensive Explanation: In OSPF, an Area Border Router (ABR) is a router that has interfaces in more than one OSPF area, facilitating communication between different areas. If a router has interfaces in only one OSPF area, it is not an ABR. Based on the network structure, it is incorrect to assume that all routers except RTA are ABRs. A router can only be considered an ABR if it has interfaces connecting to multiple OSPF areas. If a router only connects within one area, it is not an ABR.

NEW QUESTION: 3

The FIT AP can obtain the IP address of AC through the DHCP Option to establish a CAPWAP tunnel.

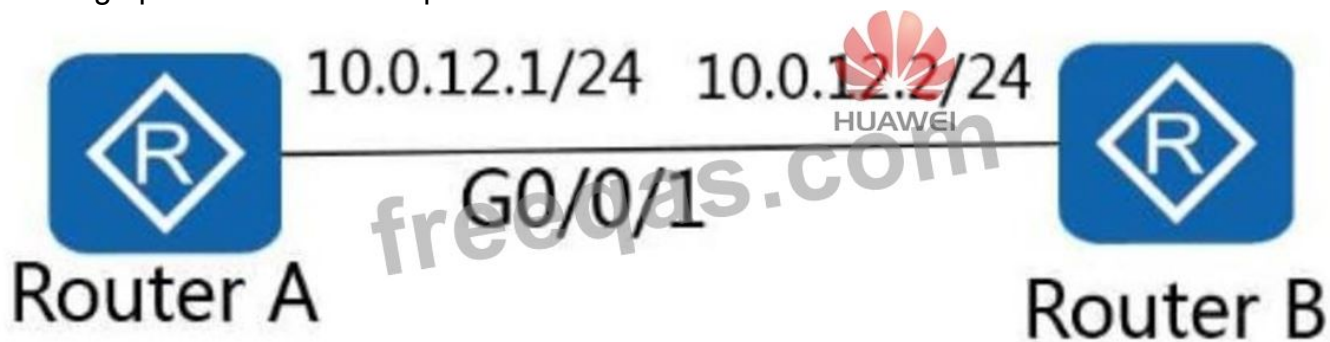
Which Option needs to be configured on the DHCP server for this? ()

- A. Option 55
- B. Option 82
- C. Option 43
- D. Option 10

Answer: B ([LEAVE A REPLY](#))

NEW QUESTION: 4

As shown in the figure, router A has successfully telneted to router B using 10.0.12.2. Which of the following operations will interrupt the Telnet session between router A and router B?

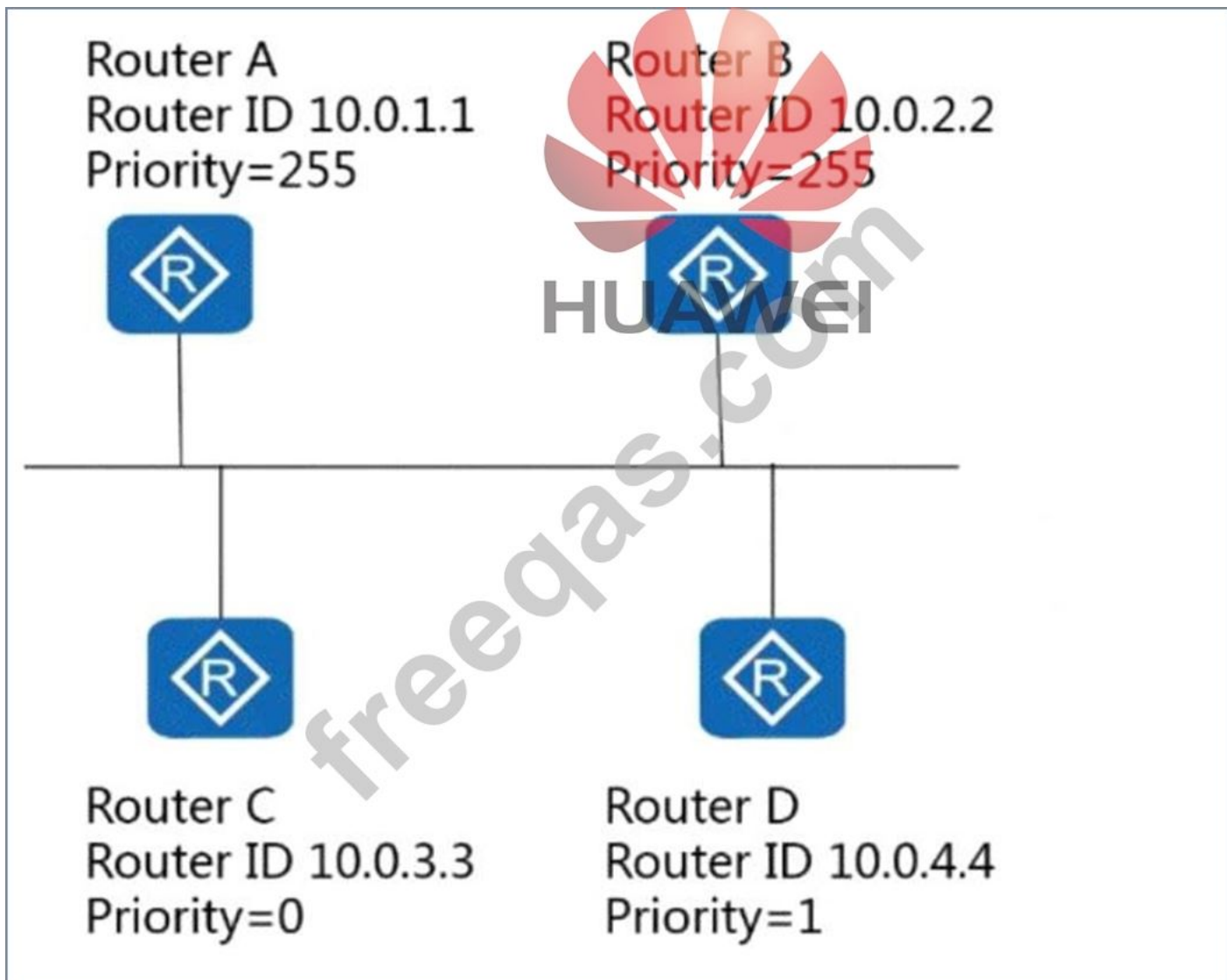


- A. Configure a static route
- B. Enable OSPF on G0/0/1
- C. Disable G0/0/1
- D. Change the IP address of G0/0/1

Answer: C,D ([LEAVE A REPLY](#))

NEW QUESTION: 5

Assuming that OSPF has been enabled on all routers in the following figure, which router is the BDR on this network?



- A. Router B
- B. Router A
- C. Router D
- D. Router C

Answer: ([SHOW ANSWER](#))

Detailed Explanation: In OSPF, the Backup Designated Router (BDR) is selected based on the highest priority and, in case of a tie, the highest router ID. Given that Router D has the appropriate settings, it is designated as the BDR, providing backup for the DR (Designated Router) in this network configuration.

NEW QUESTION: 6

The network shown in the figure below. The router receives a data packet with a destination IP address of 11.0.12.1 from host A.

After this data is forwarded by the router, what are the destination MAC and destination IP?)
(Single-choice question)

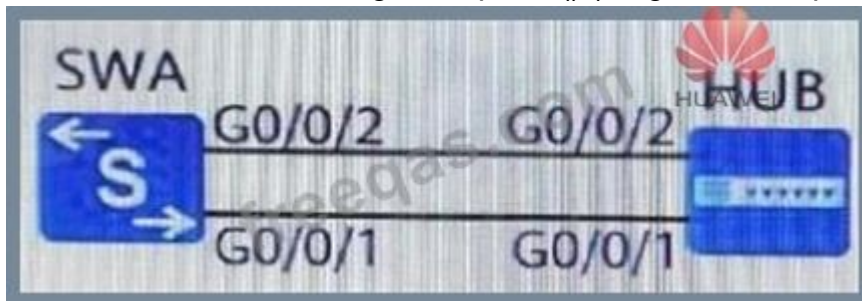


- A. MAC-D.11.0.12.1
- B. MAC-D.10.0.12.2
- C. MAC-B.11.0.12.1

Answer: B ([LEAVE A REPLY](#))

NEW QUESTION: 7

As shown in the figure, the switch runs STP with default parameters. Which of the following ports will be elected as the designated port? () (Single-choice question)



- A. HUB's G0/0/2 port
- B. HUB's G0/0/1 port
- C. Port G0/0/1 of switch A
- D. Port G0/0/2 of switch A

Answer: (SHOW ANSWER)

NEW QUESTION: 8

The network management system can only view the operating status of the device through the SNMP protocol, but cannot issue configurations. ()

- A. True
- B. False

Answer: B ([LEAVE A REPLY](#))

NEW QUESTION: 9

If host A.
has the ARP cache of host B., host A.
can ping host B. ()

- A. False
- B. True

Answer: A ([LEAVE A REPLY](#))

NEW QUESTION: 10

The output information of the routing table of a certain router is shown in the figure. Which of the following statements is correct? () (Multiple Choice Questions)

#R1#display ip routing-table

Route Flags: R-relay, D-download to fib

Routing Tables: Public

Destinations 10 Routes:10

Destination/Mask	Proto	Pre	Cost	Flags	NextHop	Interface
10.0.0.0/8	Static	60	0	RD	10.0.12.2	Ethernet0/0/0
10.0.2.2/32	Static	60	0	RD	10.0.21.2	Ethernet0/0/1

A. The NextHop for this router to reach 10.0.2.2 is 10.0.21.2

B. The NextHop for this router to reach 10.0.2.2 is 10.0.12.2

C. The NextHop for this router to reach 10.0.0.1 is 10.0.12.2

D. The NextHop for this router to reach 10.0.0.1 is 10.0.21.2

Answer: A,C ([LEAVE A REPLY](#))

NEW QUESTION: 11

In the network shown in the figure below, the host has an ARP cache, and host A sends a packet to host B.

What are the destination MAC and destination IP of this packet? () (Single-choice question)



A. MAC-C.10.0.12.2

B. MAC-C,11.0.12.1

C. MAC-B.11.0.12.1

D. MAC-A.11.0.12.1

Answer: B ([LEAVE A REPLY](#))

NEW QUESTION: 12

If the administrator wants to completely delete the old device configuration file, the following command is correct ().

A. delete /unreserved.config.zip

B. delete /force config.zip

C. clear config.zip

D. reset config.zip

Answer: D ([LEAVE A REPLY](#))

NEW QUESTION: 13

What packet types are included in DHCP?

- A. DHCP Discover packet
- B. DHCP Request packet
- C. DHCP Rollover packet
- D. DHCP Offer packet

Answer: A,B,D (LEAVE A REPLY)

Comprehensive Explanation: DHCP (Dynamic Host Configuration Protocol) involves several packet types used in the process of assigning IP addresses. These include:

* DHCP Discover: The client broadcasts this packet to find available DHCP servers.

* DHCP Offer: The DHCP server responds with an IP address offer to the client.

* DHCP Request: The client requests the offered IP address from the server. There is no such thing as a

"DHCP Rollover" packet. The process continues with the DHCP server sending an acknowledgment to finalize the IP address lease.

NEW QUESTION: 14

As shown in the figure below. All switches enable the STP protocol and keep other configurations in their default state. When the network is stable, are the following statements correct? () (Multiple Choice Questions)



- A. Both ports of SWB are in Forwarding state
- B. Both ports of SWC are in Forwarding state
- C. SWA is the root bridge in this network
- D. SWB is the root bridge in this network

Answer: A,C (LEAVE A REPLY)

NEW QUESTION: 15

The router ID of the OSPF-enabled router must be the same as the IP address of an interface on the router.

- A. TRUE
- B. FALSE

Answer: B ([LEAVE A REPLY](#))

Explanation:

NEW QUESTION: 16

Only one SSID can be bound to an AP radio.

- A. False
- B. True

Answer: A ([LEAVE A REPLY](#))

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NEW QUESTION: 17

The routing table is shown in the figure. Which of the following statements is correct? () (Multiple Choice Questions)

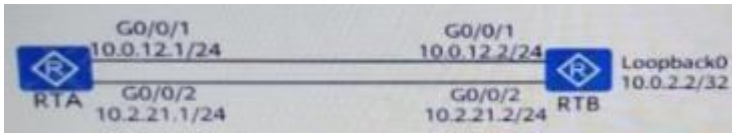
Destination/Mask	Proto	Pre	Cost	Flags	NextHop	Interface
10.0.2.0/24	Static	60	0	D	10.0.12.1	Ethernet0/2/0
10.0.3.0/24	Static	60	0	D	10.0.2.2	Ethernet0/2/0
10.0.12.0/24	Static	60	0	D	10.0.12.1	Ethernet0/2/0
10.0.1.0/24	Static	60	0	D	10.0.1.1	Ethernet0/2/0

- A. The router forwards the purpose from Ethernet (/o/0)IPackets with P as 10.0.3.3.
- B. The router forwards data packets whose destination IP is 10.0.12.1 from Ethernet (/0/0)
- C. The router forwards the destination from Ethernet0/0/0IPacket with P as 10.0.2.2.
- D. The NextHop of the destination network 10.0.3.3/32 is not directly connected, so the router will not forward packets with the destination IP address 10.0.3.3.

Answer: (SHOW ANSWER)

NEW QUESTION: 18

The network shown in the figure below. The administrator wants RTA to use a static router. Priority is given to sending data packets to RTB's Loopback0 interface through G0/0/1 port. At the same time, G0/0/2 is used as a backup. Then any configuration on RTA can be Realize this requirement? () (Single-choice question)



- A. ip route-static 10.0.2.2255.255.255.255 10.0.12.2
ip route-static 10.0.2.2255.255.255.255 10.0.21.2 preference 70
- B. ip route-static 10.0.2.2255.255.255.255 10.0.12.2 preference 70
ip route-static 10.0.2.2255.255.255.255 10.0.21.2
- C. ip route-static 10.0.2.2255.255.255.255 10.0.12.2
ip route-static 10.0.2.2255.255.255.255 10.0.21.2 preference 40
- D. ip route-static 10.0.2.2255.255.255.255 10.0.12.2
ip route-static 10.0.2.2255.255.255.255 10.0.21.2

Answer: A ([LEAVE A REPLY](#))

NEW QUESTION: 19

The switch G0/0/1 port configuration information is shown in the figure. Which VLAN data frame does the switch forward without VLAN TAG? ? () (Single-choice question)

```
#
interface GigabitEthernet0/0/1
 port link-type trunk
 port trunk pvid vlan 10
 port trunk allow-pass vlan 10 20 30 40
#
```

- A. 30
- B. 40
- C. 20

Answer: A ([LEAVE A REPLY](#))

NEW QUESTION: 20

The MAC address table of the existing switches is shown in the figure. Which of the following statements are correct?

- A. The MAC address 5489-9894-1430 is manually configured by the administrator
- B. The MAC address 5489-9885-18a8 is manually configured by the administrator
- C. After the switch restarts, all MAC addresses need to be relearned
- D. The MAC address 5489-9811-0b49 is manually configured by the administrator

Answer: D ([LEAVE A REPLY](#))

NEW QUESTION: 21

How many bits are there in the VLAN ID in the VLAN frame format defined by IEEE802.1Q?

- A. 12
- B. 10
- C. 8
- D. 6

Answer: ([SHOW ANSWER](#))

NEW QUESTION: 22

ifoneLength/Type = 0X8100 taught by the Ethernet data, which of the following is correct? ()

- A. D. There must be a TCP header in the upper layer of this data frame
- B. B. There must be a UDP header in the upper layer of this data frame
- C. The upper layer of this data frame must existIP header

Answer: A ([LEAVE A REPLY](#))

NEW QUESTION: 23

When the Access type port sends a message, it will ().

- A. Type the PVID. information of this port, and then send it out
- B. C. Send tagged messages
- C. Strip the VLAN information of the high packet, and then send it out
- D. Add the VLAN information of the message, and then send it out

Answer: ([SHOW ANSWER](#))

NEW QUESTION: 24

As shown in the figure. All four switches are running STP. Various parameters are set to default values. If the GO/0/2 port of switch C is blocked and cannot send configuration BPDUs through this port, how long will it take for the blocked port in the network to enter the forwarding state? () (Single-choice question)



- A. About 50 seconds
- B. D. About 3 seconds
- C. C. About 15 seconds

Answer: ([SHOW ANSWER](#))

NEW QUESTION: 25

If the packet matches the deny rule in an ACL, the packet is discarded.

- A. TRUE
- B. FALSE

Answer: A ([LEAVE A REPLY](#))

NEW QUESTION: 26

After OSPF is configured on the two routers, the administrator configures commands on RTA. Which of the following descriptions is correct? ()

- A. The neighbor relationship between the two routers will not be affected
- B. The neighbor relationship between the two routers will be down
- C. RTA. will continue to receive and analyze and process OSPF packets sent by RIB.
- D. RTA. Will no longer send OSPF packets

Answer: A,C,D ([LEAVE A REPLY](#))

NEW QUESTION: 27

Which statement about the dynamic AC. address table is correct?

- A. After the device restarts, the previously saved entries will not be lost
- B. The dynamic MAC obtained through the source AC. Address learning in the message. The table entries will age
- C. By viewing the number of specified dynamic MAC. address table entries, you can get the number of users communicating under the interface. After the device restarts, the previous dynamic table entries will be lost
- D. After the device restarts, the previous dynamic entries will be lost

Answer: ([SHOW ANSWER](#))

NEW QUESTION: 28

Which of the following descriptions about OSPF's DD. packets and LSA. is correct (*)

- A. The header of an LSA can uniquely identify an LSA
- B. The LSA header is only a small part of the LSA
- C. DD packets only contain the header information of LSA
- D. The DD packet contains the detailed information of the LSA

Answer: ([SHOW ANSWER](#))

NEW QUESTION: 29

Which of the following statements about the output on the router R1 shown in the figure is false?

```

<R1>display ip interface Ethernet 0/0/0
Ethernet0/0/0 current state : UP
Line protocol current state : UP
The Maximum Transmit Unit : 1500 bytes
Input packets : 3645, bytes : 287468, multicasts : 3590
Output packets : 3715, bytes : 294616, multicasts : 3654
Directed-broadcast packets:
  received packets:          0, sent packets:          0
  forwarded packets:        0, dropped packets:        0
ARP packet input number:    29
  Request packet:           13
  Reply packet:             16
  Unknown packet:           0
Internet Address is 10.0.12.1/24
Broadcast address : 10.0.12.255

```

- A. The broadcast address of Ethernet 0/0/0 is 10.0.12.255.

- B. The physical link of Ethernet 0/0/0 is working normally.
- C. The MTU of Ethernet 0/0/0 is 1480.
- D. The IP address of Ethernet 0/0/0 is 10.0.12.1/24.

Answer: ([SHOW ANSWER](#))

NEW QUESTION: 30

Which of the following is the default port number of the Telnet server?

- A. 22
- B. 24
- C. 21
- D. 23

Answer: D ([LEAVE A REPLY](#))

The default port number for Telnet is 23. This standard port assignment allows Telnet clients to connect to Telnet servers, facilitating remote management and troubleshooting tasks on network devices. Ports are preassigned to services to streamline network communication and reduce conflicts.

NEW QUESTION: 31

Which of the following authentication methods does not require the user name and password? ()

- A. authentication-mode none
- B. D. Authentication-mode hwtacacs
- C. C. authorization-mode hwtacacs

Answer: C ([LEAVE A REPLY](#))

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NEW QUESTION: 32

The following two configuration commands can realize the master and backup backup of the router R1A to the same destination 10.1.1.0.

```
[R1A]ip route-static 10.1.1.0 24 12.1.1.1 permanent
[R1A]ip route-static 10.1.1.0 24 13.1.1.1
```

- A. True
- B. False

Answer: B ([LEAVE A REPLY](#))

NEW QUESTION: 33

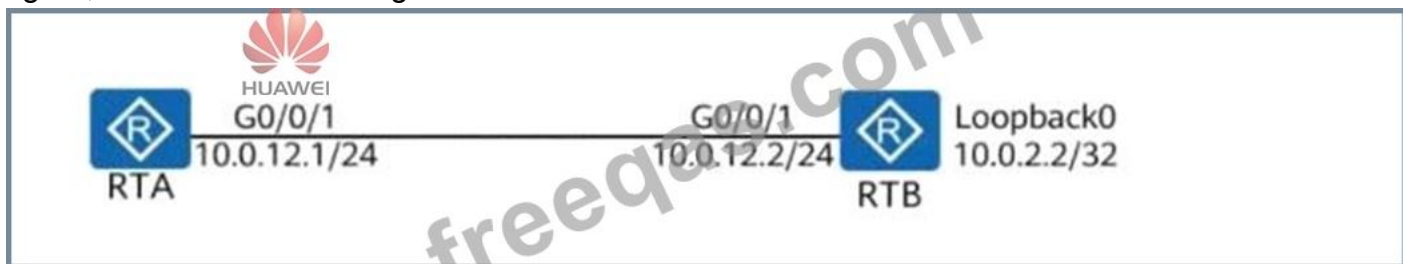
If the broadcast address of a network is 172.16.1.255, which of the following addresses is the network address?

- A. 172.16.1.253
- B. 172.16.1.1
- C. 172.16.1.128
- D. 172.16.2.0

Answer: C ([LEAVE A REPLY](#))

NEW QUESTION: 34

To enable Router A to communicate with Loopback 0 on Router B on the network shown in the figure, which of the following commands needs to be run on Router A?



- A. ip route-static 10.0.2.2 32 GigabitEthernet 0/0/0
- B. ip route-static 10.0.2.2 255.255.255.255 10.0.12.1
- C. ip route-static 10.0.2.2 255.255.255.255 10.0.12.2
- D. ip route-static 10.0.2.2 0 GigabitEthernet 0/0/0

Answer: C ([LEAVE A REPLY](#))

Comprehensive Explanation: Router A needs a static route to reach the Loopback interface (10.0.2.2/32) on Router B. The correct next-hop IP address is 10.0.12.2, which is Router B's interface IP address directly connected to Router A

NEW QUESTION: 35

The output information of a certain router is shown in the figure. Which of the following statements is correct?

- A. This router is BDR
- B. The DR priority of this routing interface is 10
- C. The cost value of this interface is 1
- D. The Router ID of the router is 10.0.1.1

Answer: (SHOW ANSWER)

NEW QUESTION: 36

An ACL is essentially a packet filter. An ACL takes effect only after it is applied to a service module.

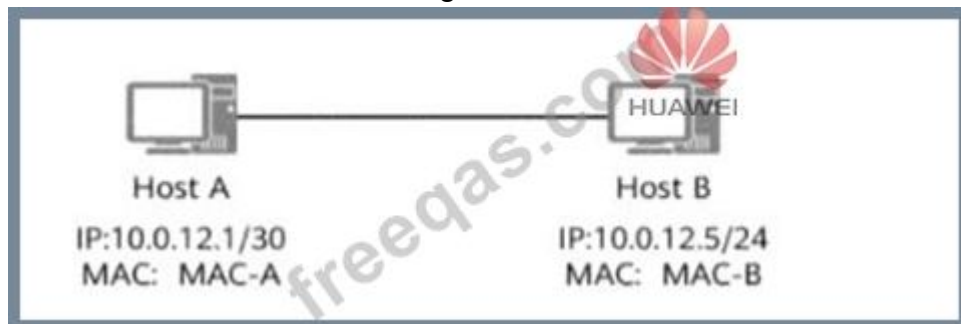
- A. TRUE
- B. FALSE

Answer: A ([LEAVE A REPLY](#))

An Access Control List (ACL) serves as a packet filter by defining rules to permit or deny specific traffic types. However, it only affects traffic after being applied to a service module, such as an interface, ensuring that the ACL rules are enforced on traffic traversing that module. Without this application, the ACL will not impact network traffic.

NEW QUESTION: 37

On the network shown in the figure, Host A and Host B cannot communicate with each other.



- A. TRUE
- B. FALSE

Answer: A ([LEAVE A REPLY](#))

Comprehensive Explanation: Host A and Host B cannot communicate because they are in different subnets.

Host A's IP address is 10.0.12.1/30, while Host B's IP address is 10.0.12.5/24. Since they are in different subnet ranges and there is no router in the diagram to perform inter-subnet routing, direct communication between them is not possible without a router to route traffic between the different subnets.

NEW QUESTION: 38

Which of the following protocols does the RA.

message used by IPv6 stateless autoconfiguration belong to? ()

- A. IGMPv6
- B. UDPv6
- C. TCPv6
- D. ICMPv6

Answer: (SHOW ANSWER)

NEW QUESTION: 39

If the broadcast address of a network is 172.16.1.255, what might its network address be? ()

- A. 172.16.1.128
- B. 172.16.1.1
- C. 172.16.1.253

Answer: B ([LEAVE A REPLY](#))

NEW QUESTION: 40

On the VRP platform, which of the following parameters can be used together with the "ping" command to specify the source address of an echo request message?

- A. -d
- B. -n
- C. -a
- D. -s

Answer: C (LEAVE A REPLY)

In VRP, the "-a" parameter in the ping command allows specifying a source IP address for the echo request.

This can be helpful in testing connectivity from a specific interface on the device, which is useful in verifying path accessibility or troubleshooting issues with certain network segments.

NEW QUESTION: 41

For an Eth-Trunk in LACP mode, what is the default LACP system priority of a Huawei switch?

- A. 4096
- B. 36864
- C. 32768
- D. 24576

Answer: (SHOW ANSWER)

Detailed Explanation: The default Link Aggregation Control Protocol (LACP) system priority on Huawei switches is 32768. This priority helps determine which device takes the active role in link aggregation when multiple switches are involved. A lower value indicates a higher priority for managing the aggregated link.

NEW QUESTION: 42

When the header length of an IPv4 data packet is 20B and the total packet length is 1500B, what is the valid payload of the packet?

- A. 1520B
- B. 20B
- C. 1500B
- D. 1480B

Answer: D (LEAVE A REPLY)

An IPv4 packet consists of a header and a payload:

$$\text{Total Length} = \text{Header Length} + \text{Payload Length}$$
$$\text{Total Length} = \text{Header Length} + \text{Payload Length}$$

* Given:

* IPv4 header length = 20B

* Total packet length = 1500B

$$\text{Payload} = 1500\text{B} - 20\text{B} = 1480\text{B}$$
$$\text{Payload} = 1500\text{B} - 20\text{B} = 1480\text{B}$$

* Option A (Incorrect): 1520B is incorrect because it exceeds the total packet length.

* Option B (Incorrect): 20B is just the header, not the payload.

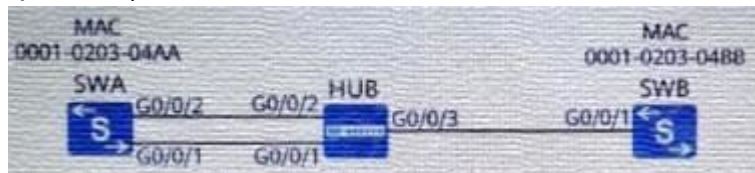
* Option C (Incorrect): 1500B includes the header, not just the payload.

* Option D (Correct): 1480B is the correct payload size.

Thus, the correct answer is D (1480B).

NEW QUESTION: 43

As shown in the figure, two switches use the default parameters to run STP root primary; Switch B uses the configuration command STP priority 0. Then which port will be blocked? () (Single-choice question)



A. G0/0/2 of switch A

B. G0/0/1 of switch A

C. G0/0/1 of switch B

Answer: B ([LEAVE A REPLY](#))

NEW QUESTION: 44

As shown in the figure below. Host A and Host B cannot communicate. ()(True or False)



A. False

B. True

Answer: A ([LEAVE A REPLY](#))

NEW QUESTION: 45

Which of the following methods can be used to add APs on an AC?

A. Import APs when they are offline.

B. Add APs when they are online.

C. Configure the AC to automatically discover APs.

D. Manually confirm APs in the list of unauthorized APs.

Answer: A,B,C,D ([LEAVE A REPLY](#))

Detailed Explanation: APs can be added to an AC using multiple methods. You can add them when they are online, offline, or allow the AC to automatically discover them. Additionally, unauthorized APs can be manually confirmed for security.

NEW QUESTION: 46

In the network shown in the figure below, there are the following configurations in Router A. Which of the following statements is correct?

```
ip route-static 10.0.2.2 255.255.255.255 10.0.12.2
```

```
ip route-static 10.0.2.2 255.255.255.255 10.0.21.2 preference 70
```



- A. The Next in the routing table of Router A reaches 10.0.2.2. Hop is 10.0.21.2
- B. The Next in the routing table of Router A reaches 10.0.2.2. Hop is 10.0.12.2
- C. If the G0/0/2 port is Down, then Router A reaches 10.0.2.2. The route NextHop. is changed to 10.0.12.2
- D. If the G0/0/1 port is Down, the route NextHop from Router A to 10.0.2.2 is changed to 10.0.21.2

Answer: B,D (LEAVE A REPLY)

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NEW QUESTION: 47

The router ID of the OSPF process takes effect immediately after being changed.

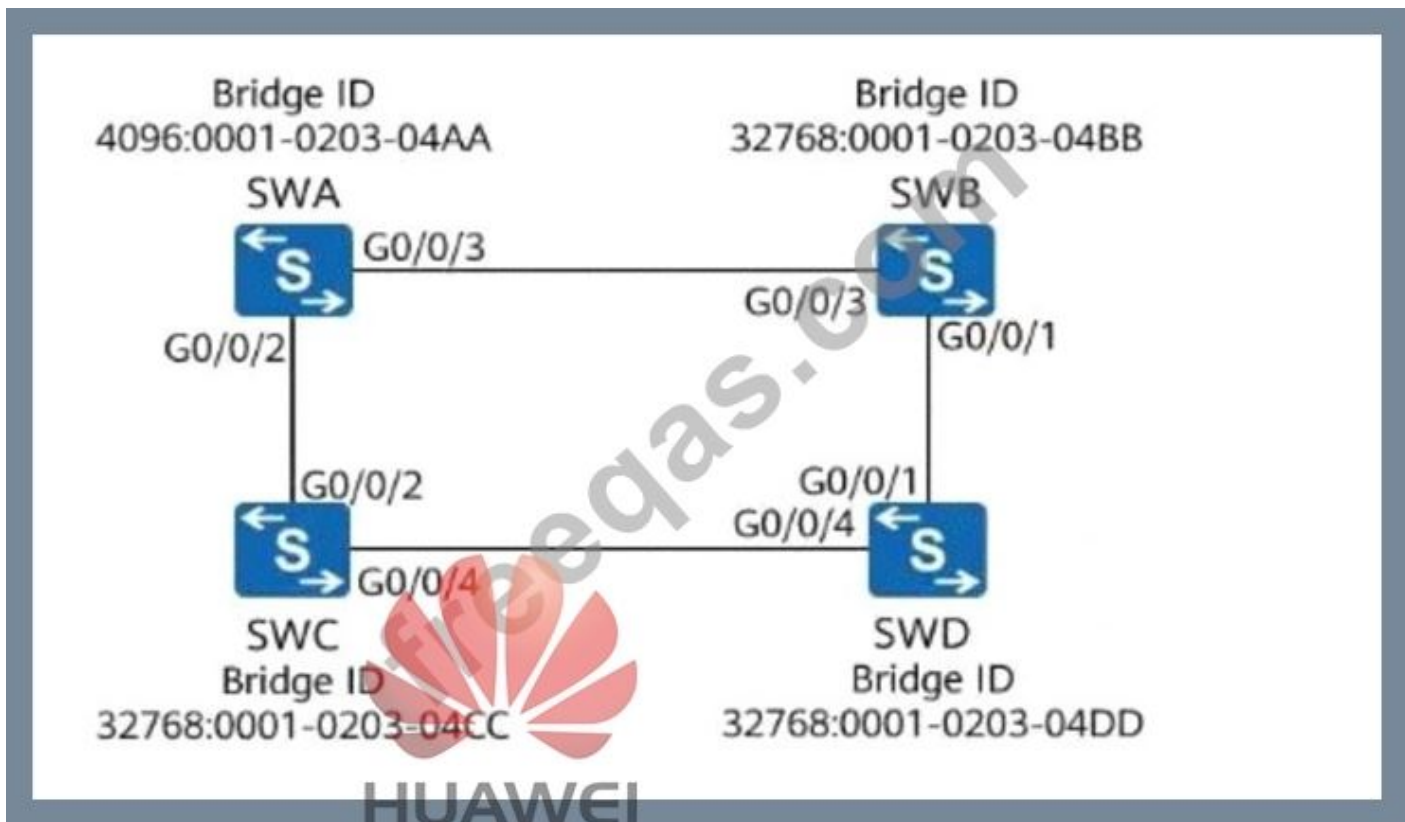
- A. TRUE
- B. FALSE

Answer: B (LEAVE A REPLY)

Explanation:

NEW QUESTION: 48

As shown in the figure, all switches run STP. Assume that the path cost of all ports is 200. What is the root path cost contained in the configuration BPDU received by G0/0/4 on SWD?



- A. 400
- B. 0
- C. 600
- D. 200

Answer: C ([LEAVE A REPLY](#))

NEW QUESTION: 49

Which of the following statements are true about the dynamic MAC address table?

- A. Dynamic MAC address entries are obtained by learning the source MAC addresses of packets received by an interface and can be aged out.
- B. After a device is reset, an interface card is hot-swapped, or an interface card is reset, dynamic MAC address entries on the device or interface card are lost.
- C. You can obtain the number of users communicating on an interface by checking the number of specified dynamic MAC address entries.
- D. After a device is reset, an interface card is hot-swapped, or an interface card is reset, the saved entries on the device or interface card are not lost.

Answer: A,B,C ([LEAVE A REPLY](#))

Explanation:

NEW QUESTION: 50

Refer to the configuration of the single-arm routing in the figure below, you can judge that even if the ARP proxy is not enabled on the sub-interface of R1, The administrative department and the financial department can also visit each other. ()(True or False)



A. True

B. False

Answer: B ([LEAVE A REPLY](#))

NEW QUESTION: 51

Which of the following statements about the S field in the MPLS packet header are correct? (*)

A. Used to mark whether there are other labels behind this label, 0 means yes, 1 means no

B. The s bit exists in every MPLS packet header

C. The s bit has only 1bit in frame mode, and 2bit in cell mode

D. Used to mark whether there are other labels behind this label, 1 means yes, 0 means no

Answer: ([SHOW ANSWER](#))

NEW QUESTION: 52

If the protocol used is telnet, then the value of the protocol field in the ipv4 header in the section is?

A. 53

B. 6

C. 17

D. 67

Answer: ([SHOW ANSWER](#))

NEW QUESTION: 53

On the Huawei VRP, what is the default preference of different route types, in descending order?

- A. Direct > Static > RIP > OSPF
- B. Direct > OSPF > RIP > Static
- C. Direct > RIP > Static > OSPF
- D. Direct > OSPF > Static > RIP

Answer: ([SHOW ANSWER](#))

The default route preference on Huawei VRP places Direct routes at the highest priority, followed by Static routes, then RIP, and finally OSPF. Direct routes are most trusted as they represent directly connected networks, while OSPF, being a dynamic protocol with more administrative distance, is prioritized lower by default.

NEW QUESTION: 54

All interfaces of routers running OSPF protocol must belong to the same area. ()

- A. False
- B. True

Answer: A ([LEAVE A REPLY](#))

NEW QUESTION: 55

OSI reference model from high-level to bottom-level is ()

- A. Application layer Presentation layer Session layer Network layer Transport layer Data link layer Physical layer
- B. Application layer Presentation layer Session layer Transport layer Network layer Data link layer Physical layer
- C. Application layer, transport layer, network layer, data link layer, physical layer
- D. Application layer Session layer Presentation layer Transport layer Network layer Data link layer Physical layer

Answer: ([SHOW ANSWER](#))

NEW QUESTION: 56

As shown in the figure below. All hosts can communicate normally. Is the corresponding relationship between SWA MAC address and port correct? () (Single-choice question)



- A. MAC-A G0/0/1
MAC-B G0/0/2

- MAC-C G0/0/1
- B. MAC-A G0/0/2**
- MAC-B G0/0/2
- MAC-C G0/0/3
- C. MAC-A G0/0/1**
- MAC-B G0/0/2
- MAC-C G0/0/3
- D. MAC-A G0/0/1**
- MAC-B G0/0/1
- MAC-C G0/0/3

Answer: C (LEAVE A REPLY)

NEW QUESTION: 57

The MAC address table of existing switches is shown in the figure. Which of the following statements are correct? () (Single-choice question)



- A.** Received a data frame with a source MAC address of 5489-9811-0b49 and a destination MAC address of 5489-989d1d30 from the port. Forwarded from the Eth0/0/2 port
- B.** When the switch restarts, the MAC address learned by port Eth0/0/2 does not need to be relearned
- C.** When the switch restarts, the MAC address learned by port Eth0/0/2 does not need to be relearned
- D.** The data frame with the source MAC address of 5489-9885-18a8 and the destination MAC address of 5489-989d-1d30 is received from the port. It is forwarded from the Eth0/0/1 port

Answer: D (LEAVE A REPLY)

NEW QUESTION: 58

What is the number range of an advanced ACL?

- A.** 2000-2999
- B.** 3000-3999
- C.** 6000-6031
- D.** 4000-4999

Answer: B (LEAVE A REPLY)

Detailed Explanation: In Huawei devices, advanced ACLs use a number range from 3000 to 3999. These ACLs allow more granular control over traffic by permitting conditions based on source and destination IP addresses, protocol types, and ports, making them suitable for complex filtering requirements.

NEW QUESTION: 59

On the network shown in the figure, Host A and Host B cannot communicate with each other.



A. TRUE

B. FALSE

Answer: ([SHOW ANSWER](#))

Comprehensive Explanation: Host A and Host B cannot communicate because they are in different subnets.

Host A's IP address is 10.0.12.1/30, while Host B's IP address is 10.0.12.5/24. Since they are in different subnet ranges and there is no router in the diagram to perform inter-subnet routing, direct communication between them is not possible without a router to route traffic between the different subnets.

NEW QUESTION: 60

If the Ethernet data frame Length/Type=0X0806, which statement is correct (*)

A. This data frame is an IEEE802.3 frame

B. The secondary data frame is Ethernet# frame

C. The destination MAC of this data frame. The address may be FFFF-FFFF-FFFF

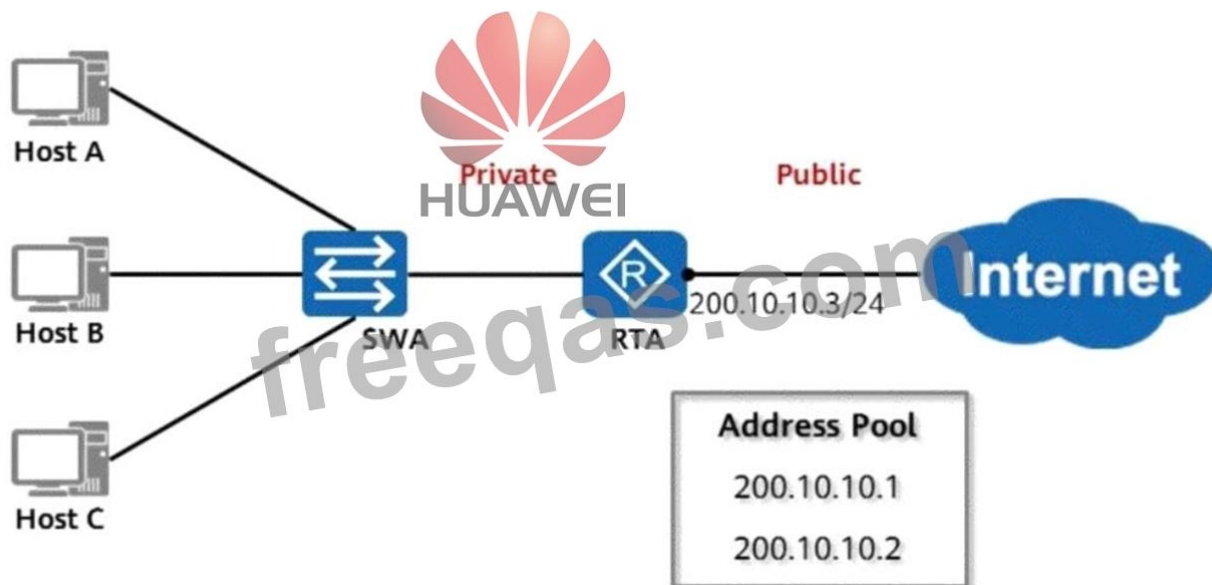
D. The source MAC of the secondary data frame. The address must not be FFFF-FFFF-FFFF

Answer: B,D ([LEAVE A REPLY](#))

NEW QUESTION: 61

As shown in the figure, RTA uses NAT and has an address pool configured to implement many-to-many non-NAPT address translation, so that hosts on the private network can access the public network. Assume that the address pool has only two public IP addresses, which are translated for Host A and Host B.

If Host C wants to access the public network, which of the following statements is true?



- A. All hosts use public IP addresses in turn and can access the public network.
- B. No public IP address is assigned to Host C, and Host C cannot access the public network.
- C. RTA performs NAT based on the source port number of Host C, and Host C can access the public network.
- D. RTA assigns an interface address (200.10.10.3) to Host C, and Host C can access the public network.

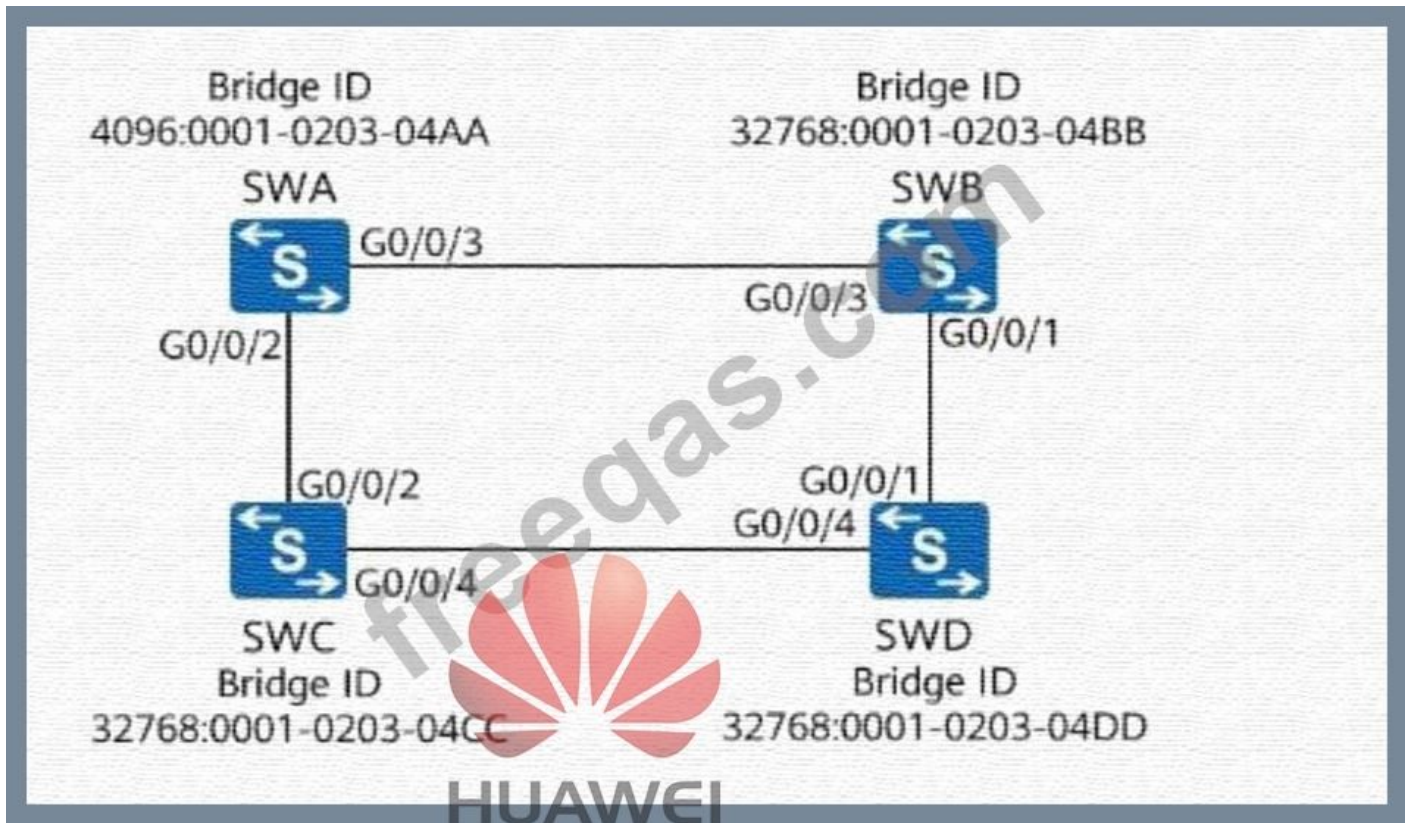
Answer: B (LEAVE A REPLY)

In a many-to-many non-NAPT (Network Address Port Translation) configuration, each private host requires a unique public IP address from the address pool. If only two public IP addresses are available and both are already in use by Host A and Host B, no IP will be available for Host C, preventing it from accessing the public network.

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NEW QUESTION: 62

As shown in the figure, all switches run STP. Assume that the path cost of all ports is 200. What is the root path cost contained in the configuration BPDU received by G0/0/4 on SWD?



- A. 0
- B. 400
- C. 200
- D. 600

Answer: D (LEAVE A REPLY)

Explanation:

NEW QUESTION: 63

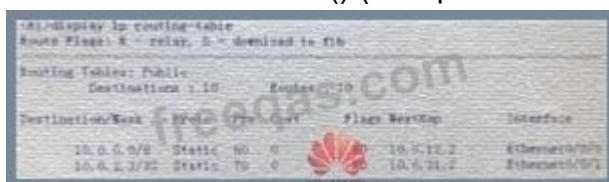
If the network administrator assigns the IPv4 address 192.168.1.1/28 to a host on the network, how many hosts can be added to the network where the host resides?

- A. 12
- B. 13
- C. 14
- D. 15

Answer: C (LEAVE A REPLY)

NEW QUESTION: 64

The output information of a router's routing table is shown in the figure. Which of the following statements is correct? () (Multiple Choice Questions)



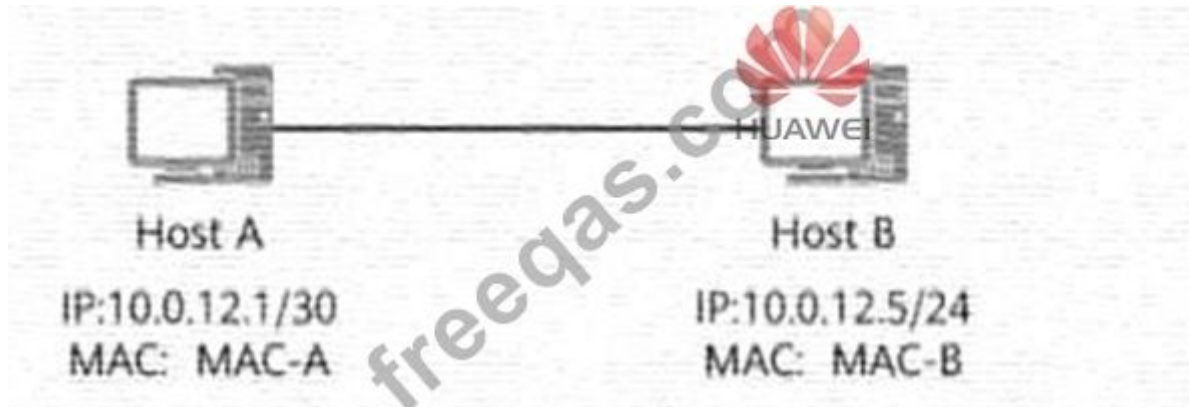
- A. The outgoing interface of this router to 10.0.0.1 is Ethernet0/0/0

- B. The outbound interface of this router to 10.0.2.2 is Ethernet0/0/1
- C. The outbound interface of this router to 10.0.0.1 is Ethernet0/0/1
- D. C. The outgoing interface of this router to 10.0.2.2 is Ethernet0/0/0

Answer: A,B ([LEAVE A REPLY](#))

NEW QUESTION: 65

On the network shown in the figure, Host A and Host B cannot communicate with each other.



- A. TRUE
- B. FALSE

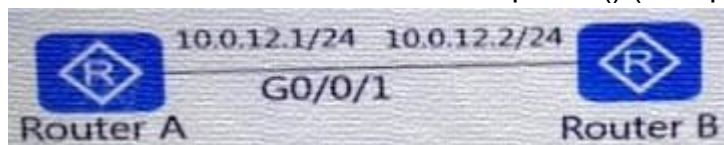
Answer: A ([LEAVE A REPLY](#))

Comprehensive Explanation: Host A and Host B cannot communicate because they are in different subnets.

Host A's IP address is 10.0.12.1/30, while Host B's IP address is 10.0.12.5/24. Since they are in different subnet ranges and there is no router in the diagram to perform inter-subnet routing, direct communication between them is not possible without a router to route traffic between the different subnets.

NEW QUESTION: 66

As shown in the figure below. Router A has passed the IP address 10.0.12.2 Telnet Router B. Which of the following operations on the current interface will cause the Telnet session between Router A and Router B to be interrupted? () (Multiple Choice Questions)



- A. Configure static routing
- B. Close G0/0/1 interface
- C. Modify G0/0/1 interface IP address
- D. Enable OSPF protocol under G0/0/1 interface

Answer: B,C ([LEAVE A REPLY](#))

NEW QUESTION: 67

Which of the following OSPF protocol packets can ensure the reliability of LSA update? ()

- A. DD
- B. LSR
- C. LSACK

Answer: B ([LEAVE A REPLY](#))

NEW QUESTION: 68

Which of the following are related to the purpose of encapsulation and decapsulation? (*)

- A. Encapsulation and decapsulation are important steps to realize the functions of different protocols
- B. Encapsulation and decapsulation can complete network fault location
- C. Shorten the length of the message
- D. Interworking between different networks

Answer: ([SHOW ANSWER](#))

NEW QUESTION: 69

In IPv4 network, AP supports static and DHCP to obtain IP address ()

- A. True
- B. False

Answer: ([SHOW ANSWER](#))

NEW QUESTION: 70

In the broadcast network as shown in the figure, OSPF runs on four routers. And in the same area. The same network segment. SPF will automatically elect one DR and multiple BDRs to achieve a better backup effect. () (True or False)



- A. True
- B. False

Answer: B ([LEAVE A REPLY](#))

NEW QUESTION: 71

By default, what is the RouterDeadInterval of the OSPF protocol on the broadcast network?

- A. 20s
- B. 40s
- C. 30s
- D. 10s

Answer: (SHOW ANSWER)

NEW QUESTION: 72

Which of the following traffic can be filtered by an advanced ACL on a Huawei device?

- A. Network traffic based on a specific source IP address
- B. Network traffic based on a specific source MAC address
- C. Network traffic based on a specific user name
- D. Network traffic based on a specific port number
- E. Network traffic based on a specific destination IP address

Answer: A,D,E (LEAVE A REPLY)

To determine which types of traffic can be filtered by an advanced Access Control List (ACL) on a Huawei device, we need to understand the capabilities of advanced ACLs as defined in HCIA Datacom documentation and Huawei networking standards. Let's analyze each option step by step:

* Understanding Huawei ACL Types:

* Huawei devices support different types of ACLs, including Basic ACLs, Advanced ACLs, and Layer 2 ACLs (MAC-based). Each type has specific filtering capabilities:

* Basic ACLs (2000-2999): Filter traffic based on source IP addresses only.

* Advanced ACLs (3000-3999): Provide more granular filtering, including source IP addresses, destination IP addresses, protocols, port numbers, and other Layer 3 and Layer 4 parameters. They are more flexible than Basic ACLs but do not filter based on Layer 2 information like MAC addresses.

* Layer 2 ACLs (4000-4999): Filter traffic based on source and destination MAC addresses, VLAN IDs, and other Layer 2 parameters.

* The question specifically asks about advanced ACLs, so we focus on their capabilities, which are limited to Layer 3 and Layer 4 traffic (IP-based and protocol-specific filtering).

* Evaluating Each Option:

* A. Network traffic based on a specific source IP address

* Advanced ACLs on Huawei devices can filter traffic based on source IP addresses. This is a standard feature of advanced ACLs, which support matching rules for source IP addresses using wildcard masks or specific IP ranges.

* This statement is true.

* B. Network traffic based on a specific source MAC address

* Advanced ACLs operate at Layer 3 and Layer 4 (IP and TCP/UDP) and do not have the capability to filter traffic based on Layer 2 information, such as MAC addresses. Filtering based on MAC addresses requires Layer 2 ACLs (e.g., ACLs in the 4000-4999 range), not advanced ACLs.

* This statement is false.

* C. Network traffic based on a specific user name

* Advanced ACLs do not have the capability to filter traffic based on user names. User-based filtering typically requires authentication mechanisms (e.g., 802.1X, AAA, or RADIUS) combined with dynamic ACLs or policies, not standard advanced ACLs. Advanced ACLs are limited to IP addresses, protocols, and port numbers, not user-specific attributes.

- * This statement is false.
- * D. Network traffic based on a specific port number
- * Advanced ACLs can filter traffic based on transport layer port numbers (e.g., TCP/UDP ports), such as HTTP (port 80), FTP (port 21), etc. This is a key feature of advanced ACLs, allowing granular control over application-layer traffic.
- * This statement is true.
- * E. Network traffic based on a specific destination IP address
- * Advanced ACLs can filter traffic based on destination IP addresses, similar to source IP addresses. This is another standard capability, allowing matching rules for destination IP addresses using wildcard masks or specific IP ranges.
- * This statement is true.
- * Conclusion:
- * Advanced ACLs on Huawei devices can filter traffic based on:
 - * Source IP addresses (Option A).
 - * Destination IP addresses (Option E).
 - * Port numbers (Option D).
 - * They cannot filter traffic based on source MAC addresses (Option B) or user names (Option C), as these require Layer 2 ACLs or authentication-based policies, respectively.
- * Therefore, the correct answers are A, D, and E.

NEW QUESTION: 73

When using the ping command on the VRp platform, if you need to specify an IP address as the source address of the echo request message, which of the following parameters should be used? ()

- A. --a
- B. --d
- C. --S
- D. --1n

Answer: ([SHOW ANSWER](#))

NEW QUESTION: 74

NAPT allows multiple private IP addresses to be mapped to the same public P address through different port numbers. The following description of the port number in NAPT is correct ().

- A. Need to use ACL to assign port numbers
- B. The correspondence between port numbers and private addresses must be manually configured
- C. Only need to configure the range of port numbers
- D. No need to do any configuration about port number

Answer: ([SHOW ANSWER](#))

NEW QUESTION: 75

When accessing across network segments, the source and destination IP will change, and the source and destination MAC will not change

- A. True
- B. False

Answer: B ([LEAVE A REPLY](#))

NEW QUESTION: 76

Which of the following protocols does the RA. message used by IPv6 stateless autoconfiguration belong to? ()

- A. UDPv6
- B. TCPv6
- C. ICMPv6

Answer: A ([LEAVE A REPLY](#))

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NEW QUESTION: 77

In the network shown in the figure below, there are the following configurations in Router A. Which of the following statements is correct?

```
ip route-static 10.0.2.2 255.255.255.255 10.0.12.2
ip route-static 10.0.2.2 255.255.255.255 10.0.21.2 preference 40
```



- A. If the G0/0/2 port is Down, then Router A reaches 10.0.2.2. The route NextHop. is changed to 10.0.12.2
- B. The Next in the routing table of Router A reaches 10.0.2.2. Hop is 10.0.21.2
- C. The Next in the routing table of Router A reaches 10.0.2.2. Hop is 10.0.12.2
- D. If the G0/0/1 port is Down, the route NextHop from Router A to 10.0.2.2 is changed to 10.0.21.2

Answer: C,D ([LEAVE A REPLY](#))

NEW QUESTION: 78

The Hybrid. port can be connected to the user host or other switches. ()

- A. True
- B. False

Answer: A ([LEAVE A REPLY](#))

NEW QUESTION: 79

Which of the following statements about IPv6 anycast addresses are correct?

- A. The packet whose destination address is the anycast address will be sent to the nearest network interface in the sense of routing
- B. Back to achieve service load sharing
- C. The group anycast address and the single address address use the same address space
- D. Back to provide services with more than functions

Answer: A,C,D ([LEAVE A REPLY](#))

NEW QUESTION: 80

There is a WeB server in the private network that needs to provide HITP services to public network users. Therefore, the network administrator needs to configure NAT on the gateway router RTA.

- A. (RTA-Serial1/0/1) nat server protocol tcp global 202.10.10.1 www inside 192.168.1.18080
- B. (RTA-Serial1/0/1) nat server protocol tcp global 192.168.1.1 www inside 202.10.10.18080
- C. RTA-Gigabitethernet0/0/1 nat server protocol tcp global 192.168.1.1 www inside 202.10.10.18080
- D. (RTA-Gigabitethernet0/0/1) nat server protocol tcp global 202.10.10.1 www inside 192.168.1.18080

Answer: A ([LEAVE A REPLY](#))

NEW QUESTION: 81

Which of the following statements is correct for the ACL configured in the Telnet application? ()

- A. The device with P address 172.16.105.4 can use Telnet service
- B. The device with IP address 172.16.105.5 can use Telnet service
- C. The device with IP address 172.16.105.3 can use Telnet service
- D. The device with P address 172.16.105.6 can use Telnet service

Answer: D ([LEAVE A REPLY](#))

NEW QUESTION: 82

What is the TPID value defined by IEEE 802.1Q?

- A. 0x7200
- B. 0x9100
- C. 0x8100
- D. 0x8200

Answer: C ([LEAVE A REPLY](#))

* TPID (Tag Protocol Identifier) is a field in the VLAN tag that identifies 802.1Q-tagged frames.

* The correct TPID value for 802.1Q is 0x8100.

* 0x9100 (B) is used for Q-in-Q (double tagging).
* 0x7200 (A) and 0x8200 (D) are incorrect values.
Thus, the correct answer is C (0x8100).

NEW QUESTION: 83

Which of the following descriptions about firewalls is wrong? ()

- A. C. Firewall can realize user identity authentication
- B. The firewall cannot network address translation
- C. Firewall can realize access control between different networks

Answer: ([SHOW ANSWER](#))

NEW QUESTION: 84

If the Length/Type of an Ethernet data frame is 0x8100. Which of the following statements is correct?

- A. There is always a UDP header in the upper layer of each data frame
- B. There is always a TCP header in the upper layer of each data frame
- C. Each data frame must carry VLAN TAG
- D. The upper layer of a data frame must exist IP header

Answer: D ([LEAVE A REPLY](#))

NEW QUESTION: 85

The output information of a router is shown in the figure. Which of the following statements are correct? ()



```
(Huawei)display startup
MainBoard:
Startup system software: flash:/AR2220E-V200R007C00/flash/
Next startup system software: flash:/AR2220E-V200R007C00/flash/
Backup system software: flash:/vrpcfg.zip
Startup saved-configuration: flash:/vrpcfg.zip
Next startup saved-configuration: flash:/backup.zip
Startup license file: null
Next startup license file: null
Startup patch package: null
Next startup patch package: null
Startup voice-files: null
Next startup voice-files: null
```

- A. The configuration file currently used is different from the configuration file used for the next startup
- B. The current configuration file used is the same as the configuration file used for D next startup
- C. The current VRP version file is the same as the VRP file used for the next startup

Answer: B,C ([LEAVE A REPLY](#))

NEW QUESTION: 86

The following figure shows the routing table of a router. When the router receives a data packet with a destination IP address of 9.11, the router will forward it according to the route of 91.0.0.16 because the mask length of this route is longer. ()

Destination/Mask	Protocol	Priority	NextHop	Interface
0.0.0.0	Static	60	120.0.0.2	Serial1/0/0
8.0.0.0	OSPF	100	120.0.0.2	Serial1/0/0
9.0.0.0	OSPF	100	20.0.0.2	Ethernet2/0/0
91.0.0.16	OSPF	100	120.0.0.2	Serial1/0/0
11.0.0.0	OSPF	100	120.0.0.2	Serial1/0/0
20.0.0.0	OSPF	100	20.0.0.1	Ethernet2/0/0
20.0.0.1/32	Direct	0	127.0.0.1	LoopBack0

- A. False
- B. True

Answer: B ([LEAVE A REPLY](#))

NEW QUESTION: 87

Which frequencies does IEEE802.11n support? ()

- A. 5GHz
- B. 6GHz
- C. 2.4GHz

Answer: A,B ([LEAVE A REPLY](#))

NEW QUESTION: 88

Which of the following statements about the output on the router R1 shown in the figure is false?

```

<R1>display ip interface Ethernet 0/0/0
Ethernet0/0/0 current state : UP
Line protocol current state : UP
The Maximum Transmit Unit : 1500 bytes
input packets : 3645, bytes : 287468, multicasts : 3590
output packets : 3715, bytes : 294616, multicasts : 3654
Directed-broadcast packets:
  received packets: 0, sent packets: 0
  forwarded packets: 0, dropped packets: 0
ARP packet input number: 29
  Request packet: 13
  Reply packet: 16
  Unknown packet: 0
Internet Address is 10.0.12.1/24
Broadcast address : 10.0.12.255
  
```

- A. The broadcast address of Ethernet 0/0/0 is 10.0.12.255.
- B. The MTU of Ethernet 0/0/0 is 1480.
- C. The physical link of Ethernet 0/0/0 is working normally.
- D. The IP address of Ethernet 0/0/0 is 10.0.12.1/24.

Answer: B ([LEAVE A REPLY](#))

NEW QUESTION: 89

The configuration information of a certain port of the switch is shown in the figure. Which of the following statements is wrong? () (Single-choice question)

```
interface GigabitEthernet0/0/2
port hybrid pvid vlan 100
port hybrid tagged vlan 100
port hybrid untagged vlan 200
```

- A. If the port receives a data frame without VLAN TAG, the switch needs to add VLAN TAG100
- B. The port type is Hybrid
- C. If the VLAN TAG carried in the data frame is 200, the switch will strip off the VLAN TAG and send it out
- D. If the VLAN TAG carried in the data frame is 100, the switch will strip off the VLAN TAG and send it out

Answer: D ([LEAVE A REPLY](#))

NEW QUESTION: 90

In the network as shown in the figure below, host A logs in to router A through Telnet. Then obtains the configuration file of router B through FTP on the remote interface. At this time, how many TCP connections does router A have? () (Single-choice question)



- A. 3
- B. 1
- C. 2

Answer: C ([LEAVE A REPLY](#))

NEW QUESTION: 91

Which of the following MAC addresses cannot be used as the MAC address of host network adapters?

- A. 0002-0304-05-06
- B. 02-03-04-05-06-07
- C. 01-02-03-04-05-06
- D. 03-04-05-06-07-08

Answer: (SHOW ANSWER)

Detailed Explanation: MAC addresses that start with the first octet having the least significant bit (LSB) of the first byte set to 1 (such as 01-02-03-04-05-06) are multicast MAC addresses, and these cannot be assigned to a host's network interface card (NIC). Only unicast MAC addresses can be assigned to hosts.

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NEW QUESTION: 92

As shown in the figure, the administrator hopes that all hosts cannot access the Internet from 8:00 to 17:00 every day. Which ACL rule needs to be bound to traffic-filter outbound in the interface configuration of G0/0

/1? () (Single-choice question)



- A. time-range am9 to pm5 08:00 to 17:00 daily # Acl number 2001 Rule 5 deny time-range am9 to pm5 #
- B. time-range am9 to pm5 08:00 to 17:00 off-day # Acl number 2004 Rule 5 permit time-range am9 to pm5
- C. time-range am9 to pm5 07:00 to 18:00 daily # Acl number 2002 Rule 5 permit time-range am9 to pm5 #

Answer: (SHOW ANSWER)

NEW QUESTION: 93

Which of the following information is displayed when an entered command is incomplete on the Versatile Routing Platform (VRP)?

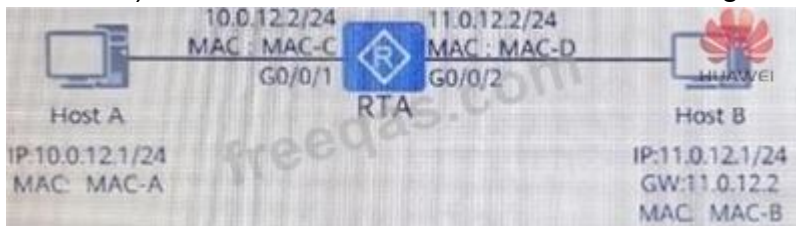
- A. Error: Wrong parameter found at 'A' position
- B. Error: Incomplete command found at 'A' position
- C. Error: Too many parameters found at 'A' position
- D. Error: Ambiguous command found at 'A' position

Answer: B (LEAVE A REPLY)

Detailed Explanation:When a command entered on Huawei's Versatile Routing Platform (VRP) is incomplete, VRP generates an error message indicating that the command is incomplete at a specific position (designated by 'A'). This message helps administrators identify where additional parameters are needed to complete the command syntax. Other error messages indicate issues such as excess parameters or ambiguous commands. (Reference: HCIA-Datacom Lab Guide, VRP Command Syntax)

NEW QUESTION: 94

The network shown in the figure below. Host A is not configured with a gateway, and Host B has the ARP cache of the gateway. Which of the following statements are correct? () (Multiple Choice Question) The answer describes the address wrong

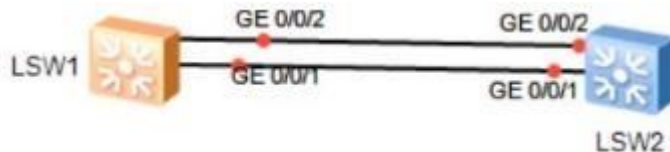


- A. Host A and Host B cannot communicate in both directions
- B. Enable proxy ARP on port G0/0/1 of the router, Then host A can communicate with host B
- C. The data packet sent by host B with the destination P address of 10.0.12.1 can be forwarded to host A
- D. The data packet sent by host A with the destination P address 10.0.12.1 (this address is changed to 11.0.12.1) can be forwarded to host B

Answer: B,C,D ([LEAVE A REPLY](#))

NEW QUESTION: 95

Two switches use manual link aggregation at the same time. The following statement is wrong. () (Single-choice question)



- A. Turn off the G0/0/1 and G0/0/2 ports on switch B, and the Eth-Trunk status is still UP
- B. Only switch off G0/0/1 port on switch B. The Eth-Trunk status is still UP
- C. Only switch off G0/0/2 port on switch B. The Eth-Trunk status is still UP
- D. Turn off the G0/0/1 and G0/0/2 ports on switch B. The Eth-Trunk status is down

Answer: A ([LEAVE A REPLY](#))

NEW QUESTION: 96

About the correct description of the information as shown in the figure is.

- A. The wrong cable is connected to the GigabitEthernet 0/0/0 interface
- B. The GigabitEthernet 0/0/0 interface was manually closed by the administrator
- C. The GigabitEthernet 0/0/0 interface is not configured with an IP address

D. The dynamic routing protocol is not enabled on the GigabitEthernet 0/0/0 interface

Answer: B ([LEAVE A REPLY](#))

NEW QUESTION: 97

The MAC address table of a certain switch is shown in the figure. If the switch receives a data frame with a destination MAC of 5489-9811-0b49 from port Eth0/0/2, which of the following statements is correct? ()



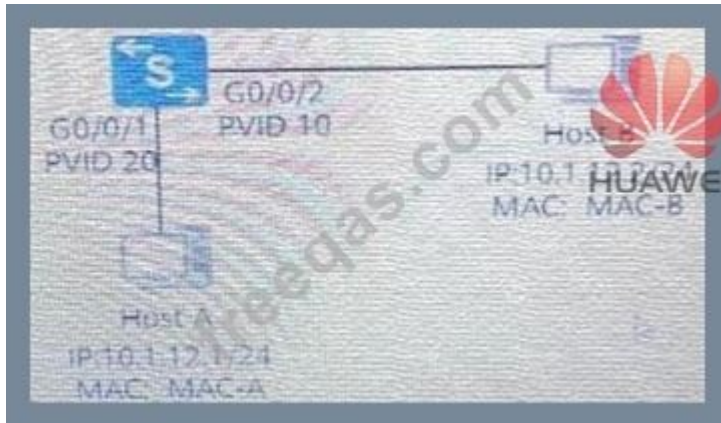
```
huawei/display mac-address
MAC address table of slot 0:
-----
MAC Address      VLAN/      PEVLAN CEVLAN Port      Type      LSP/LSR-ID
                  VSI/SI
-----
5489-9885-18a8  1          -        -        Eth0/0/2  dynamic   0/-
5489-9811-0b49  1          -        -        Eth0/0/3  dynamic   0/-
-----
Total matching items on slot 0 displayed = 2
```

- A. Discard this data frame
- B. Flood out this data frame
- C. Forward this data frame from the Eth0/0/2 port
- D. Forward this data frame from the Eth0/0/3 port

Answer: D ([LEAVE A REPLY](#))

NEW QUESTION: 98

The network is shown in the figure below. Switch configuration information is shown in the figure. Which of the following statements is correct? () (Multiple Choice Questions)



- A. Host A and Host B can be pinged
- B. Data frames on the two links do not include VLANTAG
- C. The PVID of the switch GigabitEthernet0//1 port is 20
- D. Host A and Host B cannot be pinged

Answer: ([SHOW ANSWER](#))

NEW QUESTION: 99

Network switch A and router A are connected by two links. The two links are aggregated in manual load sharing mode. The aggregated port number is 1, and the aggregated link needs to carry VLAN

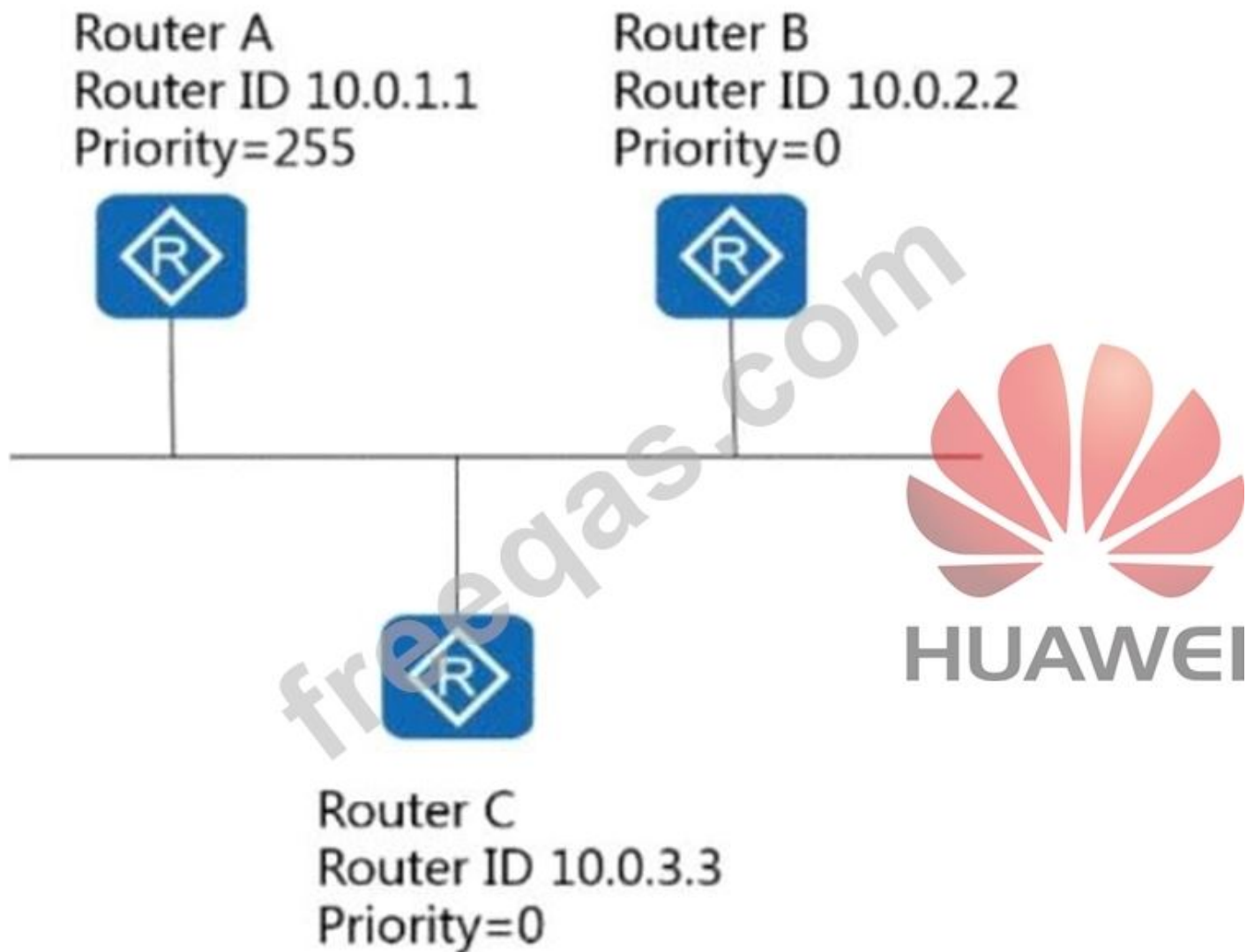
TAG100 when forwarding data. The switch When A uses a trunk link, which of the following configurations need to be used by switch A? ()

- A. 4
- B. 3
- C. 5

Answer: ([SHOW ANSWER](#))

NEW QUESTION: 100

On the network shown in the figure, which router is elected as the BDR?



- A. No BDR
- B. Router C
- C. Router A
- D. Router B

Answer: ([SHOW ANSWER](#))

Comprehensive and Detailed Explanation:

* OSPF DR/BDR election criteria:

* Highest Priority (default is 1, 0 means ineligible).

- * Highest Router ID (if priorities are equal).
- * Given the routers in the figure:
- * Router A (RID 10.0.1.1, Priority 255) # Elected DR.
- * Router B (RID 10.0.2.2, Priority 0) # Not eligible for DR/BDR.
- * Router C (RID 10.0.3.3, Priority 0) # Not eligible for DR/BDR.

Since no other router has a nonzero priority, no BDR is elected.

Reference: HCIA-Datacom Routing Guide - OSPF DR/BDR Election Process

In the given network diagram, we have three routers (Router A, Router B, and Router C) connected in a multi-access network (likely an Ethernet segment, as indicated by the shared line connecting all three routers). The election of the Backup Designated Router (BDR) in an OSPF (Open Shortest Path First) network follows strict rules defined in RFC 2328 and reinforced in the HCIA Datacom documentation. Let's break it down step by step:

- * OSPF Roles in a Multi-Access Network: In OSPF, a multi-access network (e.g., Ethernet) elects a Designated Router (DR) and a Backup Designated Router (BDR) to reduce the number of adjacencies and optimize network traffic. The DR and BDR are responsible for maintaining the link-state database and flooding LSAs (Link State Advertisements) on behalf of other routers in the segment.

- * Election Process for DR and BDR (Strict OSPF Rules - RFC 2328): The election process is based on the following criteria (in order of precedence):

- * Router Priority: A higher priority value (configurable, default is 1, range 0-255) wins. A router with a priority of 0 is ineligible to become a DR or BDR.

- * Router ID (RID): If priorities are equal (and non-zero), the router with the highest RID wins. The RID is a unique 32-bit identifier, typically the highest IP address on the router's loopback interface or the highest active physical interface IP address.

- * The router with the highest priority (or highest RID if priorities are tied) becomes the DR, and the router with the second-highest priority (or RID) becomes the BDR. A router with a priority of 0 is explicitly excluded from the DR/BDR election and cannot participate, even if it has the highest RID.

- * Analyzing the Given Data:

- * Router A: Router ID = 10.0.1.1, Priority = 255

- * Router B: Router ID = 10.0.2.2, Priority = 0

- * Router C: Router ID = 10.0.3.3, Priority = 0

- * The diagram shows a multi-access network with all three routers connected, suggesting an OSPF environment where DR/BDR election occurs.

- * Applying Strict OSPF Election Rules:

- * First, we evaluate the priorities:

- * Router A has a priority of 255, which is the highest possible value, ensuring it is elected as the DR.

- * Router B and Router C both have a priority of 0, making them ineligible to become either DR or BDR, regardless of their Router IDs.

- * Since Router A is the DR (due to its priority of 255), we need to elect a BDR from the remaining routers (Router B and Router C). However, both Router B and Router C have priorities of 0, which, per RFC 2328 and HCIA Datacom, explicitly prevents them from being elected as DR or BDR.

* Therefore, no router is eligible to become the BDR in this scenario, resulting in "No BDR" for the network.

* Resolving Potential Misinterpretations:

* In my previous explanation, I suggested Router C could be elected as BDR based on its higher RID (10.0.3.3) compared to Router B (10.0.2.2), even though both had priority 0. This was incorrect and inconsistent with strict OSPF rules. RFC 2328 (Section 9.4) and HCIA Datacom V3.

0 (Chapter 5: OSPF Protocol) clearly state that a router with a priority of 0 cannot participate in the DR/BDR election, and its RID is irrelevant for this purpose.

* The HCIA Datacom documentation emphasizes adherence to OSPF standards, and in practice, if all routers except the DR have a priority of 0, the network operates with only a DR and no BDR. This is a valid OSPF configuration, though not ideal for redundancy, as the BDR role remains unassigned until a router with a non-zero priority joins the network.

* Conclusion:

* Router A is elected as the DR due to its priority of 255.

* Router B and Router C have priorities of 0, making them ineligible to become BDR.

* Therefore, there is no BDR elected in this network, and the correct answer is "No BDR" (option A).

References from HCIA Datacom Documents and RFC:

* HCIA Datacom V3.0, Chapter 5: OSPF Protocol - DR/BDR Election Process

* RFC 2328 (OSPF Version 2) - Section 9.4: DR and BDR Election (specifically, the rule that a router with priority 0 is ineligible for DR/BDR roles)

* Huawei OSPF Configuration Guide (HCIA Datacom Certification Material) - Priority and Router ID in Multi-Access Networks

NEW QUESTION: 101

Which of the following does not correctly describe Python?

A. Python has rich third-party libraries.

B. Python has a clear syntax, is easy to learn, and efficient at runtime.

C. Python can be used in many fields, such as automatic O&M scripting, artificial intelligence, and data science.

D. Python is a fully open-source high-level programming language.

Answer: B (LEAVE A REPLY)

Python is known for clear syntax and ease of learning, but it is not highly efficient at runtime due to being an interpreted language.

* Option A (Correct): Python has a vast ecosystem of third-party libraries.

* Option B (Incorrect - Answer): Python is easy to learn but is not as fast as compiled languages like C or Java.

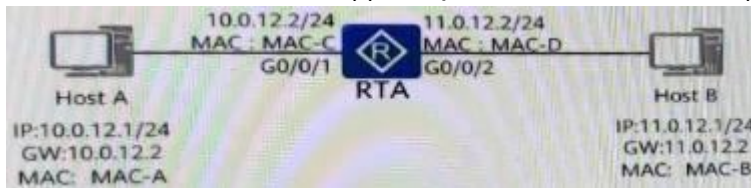
* Option C (Correct): Python is widely used in O&M, AI, and data science.

* Option D (Correct): Python is fully open-source.

Thus, the correct answer is B.

NEW QUESTION: 102

The network shown in the figure below. The host has an ARP cache. Which of the following statements are correct? (Multiple Choice Questions)



- A. The router needs to be configured with a static route. Otherwise, host A and host B cannot communicate in both directions
- B. The following entries may appear in the ARP cache of host A 10.0.12.2 MAC-C
- C. D. The following entry 11.0.12.1 MAC-B exists in the ARP cache of host A
- D. Host A and Host B can communicate in two directions

Answer: ([SHOW ANSWER](#))

NEW QUESTION: 103

In the VRP system, what function does the Ctrl+Z key combination have? ()

- A. Exit the current view
- B. Return from system view to user view
- C. Exit interface view
- D. Exit the console interface view
- E. Return to user view from any view

Answer: E ([LEAVE A REPLY](#))

NEW QUESTION: 104

The topology shown in the figure and the configuration on the interconnection ports of the switch. Can it be judged that the data frame tagged as VLAN10 can be forwarded normally between the two switches? (True or False)



```
(LSW1) interface GigabitEthernet 0/0/1
(LSW1-GigabitEthernet0/0/1) port link-type trunk
(LSW1-GigabitEthernet0/0/1) port trunk pvid vlan 20
(LSW1-GigabitEthernet0/0/1) port trunk allow-passvlan 10
#
(LSW2) interface GigabitEthernet 0/0/1
(LSW2-GigabitEthernet0/0/1) port link-type trunk
(LSW2-GigabitEthernet0/0/1) port trunk pvid vlan 10
(LSW2-GigabitEthernet0/0/1) port trunk allow-passvlan 10
```

- A. True
- B. False

Answer: A ([LEAVE A REPLY](#))

NEW QUESTION: 105

Refer to the following configuration of an interface on a switch. For which VLAN does the interface transmit tagged data frames?

```
interface GigabitEthernet0/0/1
port hybrid tagged vlan 2 to 3 100
port hybrid untagged vlan 4 6
```

- A. 2, 3, 4, 6, 100
- B. 2, 3, 100
- C. 1, 2, 3, 4, 6, 100
- D. 1, 2, 3, 100

Answer: ([SHOW ANSWER](#))

Comprehensive Explanation: The interface configuration shows that VLANs 2, 3, and 100 are tagged, meaning frames belonging to these VLANs are transmitted with VLAN tags. VLANs 4 and 6 are untagged, meaning frames for these VLANs are transmitted without tags. The command `port hybrid tagged vlan 2 to 3 100` specifies that data frames for VLANs 2, 3, and 100 are transmitted with tags, while `port hybrid untagged vlan 4 6` configures the interface to transmit untagged frames for VLANs 4 and 6.

NEW QUESTION: 106

When both ends running PPP protocol detect that the physical link is active, the link state will transit from dead to establish. Which of the following protocols is used to negotiate the link parameters during this phase?

- A. IP
- B. NCP
- C. DHCP
- D. LCP

Answer: D ([LEAVE A REPLY](#))

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NEW QUESTION: 107

Refer to the configuration of the single-arm routing in the figure below, you can judge that even if the ARP proxy is not enabled on the sub-interface of R1, The administrative department and the financial department can also visit each other. ()(True or False)



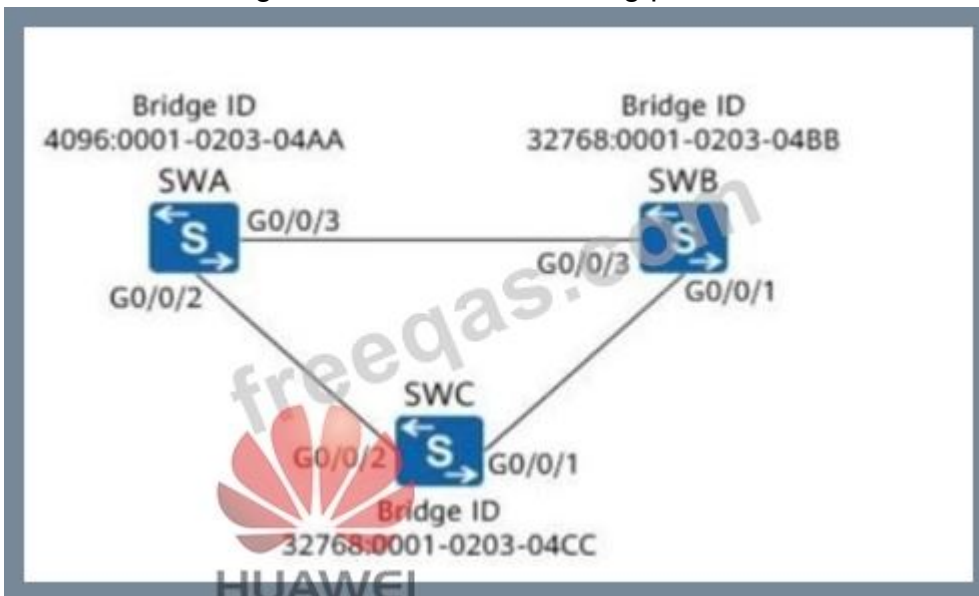
A. False

B. True

Answer: A ([LEAVE A REPLY](#))

NEW QUESTION: 108

As shown in the figure, which of the following ports will be in a blocking state?



A. G0/0/2 of SWC

B. G0/0/3 of SWB

C. G0/0/1 of SWC

D. G0/0/3 of SWA

Answer: B ([LEAVE A REPLY](#))

Comprehensive Explanation: SWA has the lowest Bridge ID and is the root bridge. In this topology, G0/0/2 of SWA and G0/0/1 of SWC are forwarding ports. Since G0/0/3 of SWB provides an alternate path to the root bridge, it will be placed in a blocking state to prevent network loops. The Spanning Tree Protocol ensures that only the most efficient path to the root bridge is active, and alternate paths are blocked until needed.

NEW QUESTION: 109

A certain ACL of the router is in the following rules, rule deny source 192.168.2.0.0.255 destination

172.16.10.20.0.0.0 Which of the following statements is correct? ()

- A. source IP is 172.16.10.2 and all TCP packets whose destination IP is 192.168.2.0 match this rule
- B. The source IP is 172.16.10.2. All TCP packets whose destination IP is 192.168.2.1 match this rule
- C. source All TCP packets whose P is 192.168.2.1 and destination P is 172.16.10.2 are configured with this rule.
- D. All TCP packets whose source IP is 192.168.2.1 and destination IP is 172.16.10.1 match this rule

Answer: C ([LEAVE A REPLY](#))

NEW QUESTION: 110

In order to implement FIT AP online, FIT AP first needs to obtain the IP address of AC. Which of the following options is not included in FIT AP obtaining the IP address of AC. ()

- A. Broadcasting method
- B. Static designation method on AP
- C. Multicast mode
- D. DHCP option mode

Answer: ([SHOW ANSWER](#)**)**

NEW QUESTION: 111

SNMP packets are carried over TCP.

- A. True
- B. False

Answer: ([SHOW ANSWER](#)**)**

NEW QUESTION: 112

The switch G0/0/1 port configuration information is shown in the figure. Which VLAN data frame does the switch forward without VLAN TAG? ? () (Single-choice question)

```
#
interface GigabitEthernet0/0/1
port link-type trunk
port trunk pvid vlan 10
port trunk allow-pass vlan 10 20 30 40
#
```

- A. 20
- B. 40
- C. 30
- D. 10

Answer: D ([LEAVE A REPLY](#))

NEW QUESTION: 113

As shown in the figure, two hosts realize communication between TAs through single-arm routing. When the G0/0/1.2 sub-interface of RTA receives the data frame sent by host B. to host A., RTA will execute which of the following Operation? ()



- A. RTA. First delete VLAN tag 20, then add VLAN tag 10, and then send it out via G0/0/1.1 interface
- B. RTA. Forward the data frame directly through the G0/0/1.1 sub-interface
- C. RTA. After deleting VLAN tag 20, it will be sent out by G0/0/1.1 interface
- D. RTA. The data frame will be discarded

Answer: A ([LEAVE A REPLY](#))

NEW QUESTION: 114

Two switches use manual link aggregation at the same time. The following statement is wrong. ()
(Single-choice question)



- A. Turn off the G0/0/1 and G0/0/2 ports on switch B, and the Eth-Trunk status is still UP
 - B. Only switch off G0/0/2 port on switch B. The Eth-Trunk status is still UP
 - C. Only switch off G0/0/1 port on switch B. The Eth-Trunk status is still UP
 - D. Turn off the G0/0/1 and G0/0/2 ports on switch B. The Eth-Trunk status is down
- Answer: A (LEAVE A REPLY)**

NEW QUESTION: 115

The following statement about the TTL field in the IP packet header is correct. ()

- A. Each time an IP packet passes through a router, its TTL value is increased by 1
- B. TTL defines the number of packets that the source host can send
- C. Each time a P packet passes through a router, its TTL value will be reduced by 1
- D. TTL defines the time interval at which the source host can send data packets

Answer: C (LEAVE A REPLY)

NEW QUESTION: 116

By default, in the SNMP protocol, which port number does the agent process use to send alarm messages to N? ()

- A. 163
- B. 161
- C. 162
- D. 164

Answer: C (LEAVE A REPLY)

NEW QUESTION: 117

What is the length of the basic IPv6 header in bytes? ()

- A. 40
- B. 48
- C. 32
- D. 64

Answer: A (LEAVE A REPLY)

NEW QUESTION: 118

At what percentage does the DHCP client send the lease renewal message for the first time? ()

- A. 1
- B. 0.25
- C. 0.5
- D. 0.875

Answer: ([SHOW ANSWER](#))

NEW QUESTION: 119

The following description about the specified port of the spanning tree is correct ()

- A. Each switch has only one designated port
- B. The port on the root switch must not be a designated port
- C. The port on the root switch must be a designated port
- D. The designated port can forward configuration BPDU packets to the network segment connected to it

Answer: ([SHOW ANSWER](#))

NEW QUESTION: 120

Which of the following is a valid default route configuration?

- A. [Huawei] ip route-static 0.0.0.0 0.0.0.0 192.168.1.1
- B. [Huawei] ip route-static 0.0.0.0 0.0.0.0 0.0.0.0
- C. [Huawei] ip route-static 0.0.0.0 255.255.255.255 192.168.1.1
- D. [Huawei-Serial0] ip route-static 0.0.0.0 0.0.0.0 0.0.0.0

Answer: A ([LEAVE A REPLY](#))

Comprehensive and Detailed Explanation:

* A default route is used when no specific route matches a destination IP.

* The correct syntax for a default static route is:

```
ip route-static 0.0.0.0 0.0.0.0 <next-hop IP>
```

Correct Option:

* A. [Huawei] ip route-static 0.0.0.0 0.0.0.0 192.168.1.1

* This correctly sets 192.168.1.1 as the next-hop for all unknown destinations.

Incorrect Options:

* B. 0.0.0.0 0.0.0.0 0.0.0.0 # Invalid because 0.0.0.0 cannot be a next-hop.

* C. 0.0.0.0 255.255.255.255 192.168.1.1 # Invalid because the mask must be 0.0.0.0 for a default route.

* D. [Huawei-Serial0] ip route-static 0.0.0.0 0.0.0.0 0.0.0.0 # Invalid interface syntax.

Reference: HCIA-Datacom Routing Guide - Default Route Configuration

NEW QUESTION: 121

The network shown in the figure below. Which router is the BDR in this network? () (Single-choice question)



- A. No BDR
- B. Router A
- C. Router B
- D. Router C

Answer: A ([LEAVE A REPLY](#))

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NEW QUESTION: 122

For the description of the PPP link establishment process, the following statement is wrong ().

- A. In the Establish phase, the PPP link conducts LCP parameter negotiation. The negotiation content includes the maximum receiving unit MRU, authentication method, magic word and other options
- B. PPP link supports half-duplex and full-duplex modes
- C. After the NCP negotiation is successful, the PPP link will maintain the communication state and enter the Terminate phase
- D. In the Network phase, the PPP link performs NCP negotiation. Select and configure a network layer protocol through NCP negotiation, and negotiate network layer parameters

Answer: ([SHOW ANSWER](#)**)**

NEW QUESTION: 123

Which of the following statements about the various versions of the SNMP protocol are correct?

- A. SNMPv1 uses UDP as the transport layer protocol, while SNMPv2C. and SNMPv3 use TCP as the transport layer protocol, so the reliability is higher.

- B. SNMPv.3 messages have the functions of identity verification and encryption processing.
- C. The SNMPv2C. message has the functions of identity verification and encryption processing.
- D. SNMPv2C. follows the 5 protocol operations defined in the v1 version and adds two additional operations.

Answer: B,D (LEAVE A REPLY)

NEW QUESTION: 124

As shown in the figure below, the network. All switches enable the STP protocol. Disable SWA's G0/0/2 port to configure the BPDUs sending function. SWC's G0/0/1 reconverges to become the root port. Which of the following statements is correct about this process? () (Multiple Choice Questions)



- A. SWB sends configuration BPDU with TCA set to SWC
- B. SWC sends TCN BPDU to SWB
- C. SWB forwards TCN BPDU to SWA
- D. SWA sends configuration BPDU with TC set

Answer: A,B,C (LEAVE A REPLY)

NEW QUESTION: 125

How to add AP to AC?

- A. Add online
- B. Automatically discover AP
- C. Import AP offline
- D. Manually confirm APs in the uncertified list

Answer: B,C,D (LEAVE A REPLY)

NEW QUESTION: 126

In the network shown in the figure below, the bridge ID of the switch has been marked. Enter the command stp rootsecondary on the SWD. switch and the following switch will become the root bridge of this network. ()

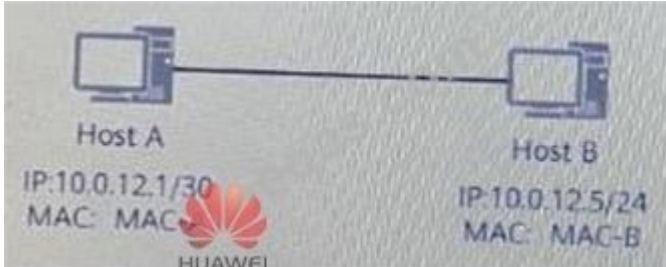


- A. SWB
- B. SWA
- C. D. SWD

Answer: A ([LEAVE A REPLY](#))

NEW QUESTION: 127

As shown in the figure below. Host A and Host B cannot communicate. ()(True or False)



- A. False
- B. True

Answer: A ([LEAVE A REPLY](#))

NEW QUESTION: 128

What does the command port trunk allow-pass vlan all do?

- A. The opposite port connected to the port must be configured with port trunk permit vlan all at the same time
- B. All VLAN data frames are allowed to pass on this port
- C. If the port default vlan 3 command is configured for the connected remote device, the VLAN 3 between the two devices cannot communicate
- D. The connected peer device can dynamically determine which VLAN IDs are allowed to pass

Answer: B ([LEAVE A REPLY](#))

NEW QUESTION: 129

Which of the following methods can read data non-blocking in Python's telnetlib.? ()

- A. telnet_read_very_eager
- B. telnet_read_very_lazy
- C. telnet_read_eager

Answer: A ([LEAVE A REPLY](#))

NEW QUESTION: 130

If the broadcast address of a network is 172.16.1.255, which of the following addresses is the network address?

- A. 172.16.1.128
- B. 172.16.1.1
- C. 172.16.2.0
- D. 172.16.1.253

Answer: A ([LEAVE A REPLY](#))

Explanation:

NEW QUESTION: 131

In the VRP interface, use the command startup saved-configuration backup.cfg. Configure the backup.cfg file to be used at the next startup. ()

- A. False
- B. True

Answer: B ([LEAVE A REPLY](#))

NEW QUESTION: 132

Which of the following statements about switches is false?

- A. A switch can provide network access services for terminals such as PCs and servers.
- B. A switch can exchange data frames.
- C. A switch is typically deployed as an egress device of a network.
- D. A switch usually works at the data link layer.

Answer: C ([LEAVE A REPLY](#))

Switches generally operate at the data link layer (Layer 2) and are used to manage communication within a local area network (LAN) by directing traffic among devices. They are not usually deployed as egress devices, which are typically routers. Switches facilitate internal LAN communication, while egress devices handle traffic leaving the network.

NEW QUESTION: 133

Which of the following networks belong to a local area network? ()

- A. A company office network
- B. A home network
- C. Broadband Metropolitan Area Network
- D. Internet

Answer: A,B ([LEAVE A REPLY](#))

NEW QUESTION: 134

The output information of a certain device is shown in the figure. Which of the following statements are correct? () (Multiple Choice Questions)

```
(Huawei)display version
Huawei Versatile Routing Platform Software
VRP (R) software, Version 5.130 (AR2200 V200R003C00)
Copyright (C) 2011-2012 HUAWEI TECH CO., LTD
Huawei AR2200 Router uptime is 0 week, 0 day, 0 hour, 1 minute
EEPROM version information:
1. PCB Version : AR01BAK2A VER.B
2. If Supporting PoE : No
3. Board Type : AR2220
4. MPU Slot Quantity : 1
5. LPU Slot Quantity : 0
MPU (Master) uptime is 0 week, 0 day, 0 hour, 1 minute
MPU version information:
1. PCB Version : AR01BAK2A VER.A
2. MPU Slot : 0
3. Board Type : AR2220
4. Board : HUAWEI
```

- A. The VRP operating version of this device is CRP5
 - B. The standby main control board of the device is operating normally
 - C. The device has been running for 1 minute
 - D. The device name is Huawei
- Answer: A,C,D (LEAVE A REPLY)**

NEW QUESTION: 135

At which layer of the OSI reference model do Ethernet switches operate? ()

- A. Network layer
- B. Transport layer
- C. Data link layer
- D. Physical layer

Answer: C (LEAVE A REPLY)

NEW QUESTION: 136

What is the length range of an Ethernet_II frame that contains an Ethernet header?

- A. 64-1518 bytes
- B. 60-1560 bytes
- C. 64-1500 bytes
- D. 46-1500 bytes

Answer: (SHOW ANSWER)

An Ethernet II frame has a standard length range of 64 to 1518 bytes, including the Ethernet header. This range accounts for both the minimum frame size (to prevent collisions) and the maximum frame size (to avoid excessive delay). This specification is in line with IEEE 802.3 standards for Ethernet frames.

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NEW QUESTION: 137

The network shown in the figure below assumes that all routers can enable OSPF at the same time. Which router is the DR in this network? () (Single-choice question)

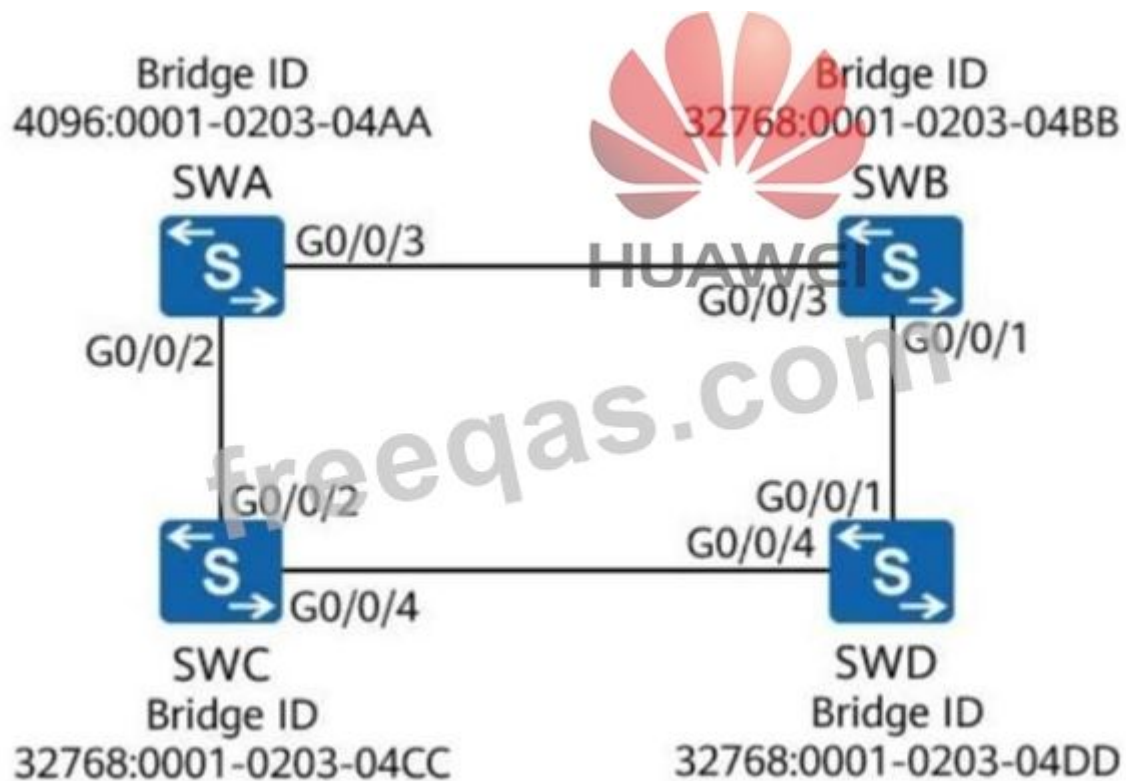


- A. D. Router C
- B. C. Router A
- C. Router B
- D. B. Router D

Answer: C ([LEAVE A REPLY](#))

NEW QUESTION: 138

As shown in the figure, all switches run STP. Assume that the path cost of all ports is 200. What is the root path cost contained in the configuration BPDU received by G0/0/4 on SWD?



- A. 200
- B. 600
- C. 400
- D. 0

Answer: B (LEAVE A REPLY)

The root path cost is calculated by summing the costs of each port on the path from the root bridge to the receiving port. In this case, assuming each link has a cost of 200, the total cost to reach the root from the indicated port would be 600, reflecting three hops from the root bridge.

NEW QUESTION: 139

What command can be typed in the system view to switch to the user view? ()

- A. user-view
- B. quit
- C. souter

Answer: A (LEAVE A REPLY)

NEW QUESTION: 140

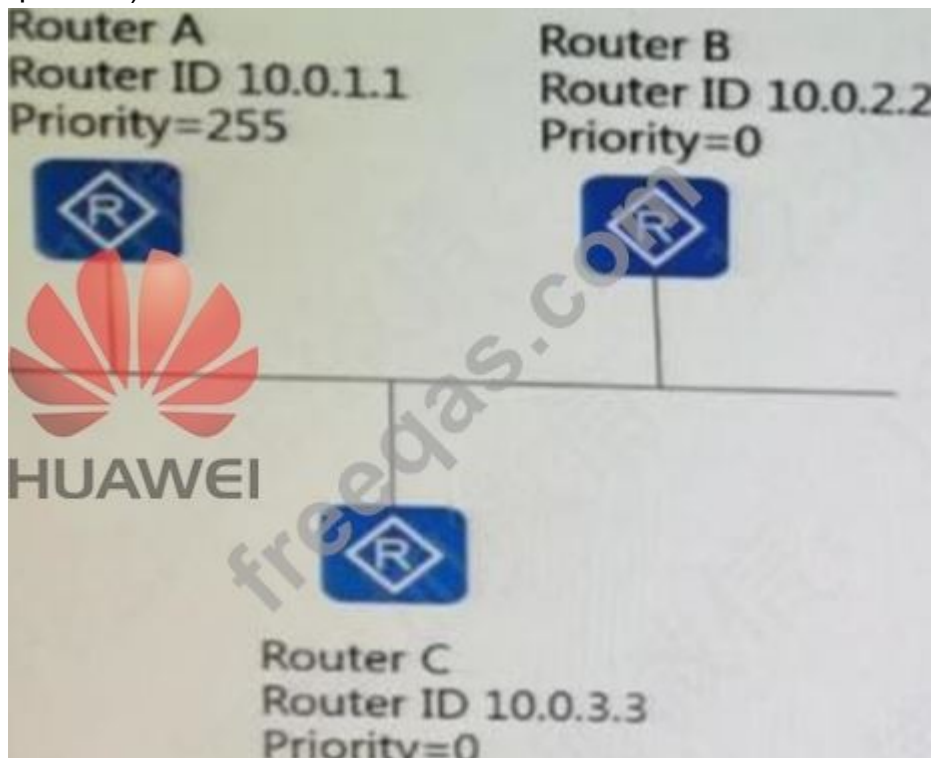
What is wrong about the following description of the router? ()

- A. The router cannot isolate the broadcast domain
- B. The router can realize IP packet forwarding
- C. The router works at the network layer
- D. The router can be used as a gateway device

Answer: A (LEAVE A REPLY)

NEW QUESTION: 141

The network shown in the figure below. Which router is the BDR in this network? () (Single-choice question)



- A. B. Router B
- B. D. Router C
- C. No BDR

Answer: B ([LEAVE A REPLY](#))

NEW QUESTION: 142

The TCP protocol uses the three-way handshake mechanism to establish and disable connections. Therefore, TCP supports reliable data transmission.

- A. TRUE
- B. FALSE

Answer: A ([LEAVE A REPLY](#))

TCP (Transmission Control Protocol) uses a three-way handshake process to establish a reliable connection between two devices, ensuring that data transmission is stable and reliable. The handshake sequence (SYN, SYN-ACK, ACK) confirms that both devices are ready to send and receive data, guaranteeing ordered and error-checked delivery. This characteristic makes TCP a reliable transport protocol.

NEW QUESTION: 143

The network shown in the figure below. All links are Ethernet links, and all interfaces of all routers run OSPF protocol, how many DRs are elected in the entire network? () (Single-choice question)



- A. 3
- B. B. 2
- C. 4

Answer: A ([LEAVE A REPLY](#))

NEW QUESTION: 144

Trunk ports can allow multiple VLANs to pass, including VLAN4096. ()

- A. True
- B. False

Answer: ([SHOW ANSWER](#))

NEW QUESTION: 145

The network administrator hopes that the data packets sent from host A. to host B. pass through the G0/0/3 interface between routers, and the data packets sent from host B. to host A. pass through G0/0/4 interface, which of the following commands can achieve this requirement? ()

- A. RTA.:ip route-staticC.10.0.12.5 255.255.252 11.0.12.6 RTB.:ip route-static/n10.0.12.1255.255.25211.0.12.1
- B. RTA.:ip route-staticC.10.0.12.5 255.255.255.252 11.0.12.2 RTB.:ip route-static/n10.0.12.1255.255.255.25211.0.12.5
- C. RTA.:ip route-staticC.0.0.0.0 0.0.0.0 11.0.12.6 RTB.:ipRoute-staticC.0.0.0.00.0.0.0n11.0.12.1
- D. RTA.:ip route-staticC.0.0.0.0 0.0.0.0 11.0.12.2 RTB.:ipRoute-staticC.0.0.0.00.0.0.0In11.0.12.5

Answer: B,D ([LEAVE A REPLY](#))

NEW QUESTION: 146

(Which of the following is a dynamic IGP routing protocol?)

- A. Static
- B. BGP
- C. Direct
- D. OSPF

Answer: D ([LEAVE A REPLY](#))

* Dynamic IGP Routing Protocols:

* OSPF (Open Shortest Path First): A dynamic IGP that uses link-state information for routing within an autonomous system.

* Analysis of Options:

* Option A: "Static" refers to manually configured routes, not dynamic.

* Option B: "BGP" is a dynamic routing protocol but an EGP, not an IGP.

* Option C: "Direct" refers to routes learned from directly connected networks and is not dynamic.

* Option D: "OSPF" is a dynamic IGP, making it the correct choice.

* Correct answer: The dynamic IGP routing protocol is D (OSPF).

NEW QUESTION: 147

The following description about the specified port of the spanning tree is correct ()

A. B. The port on the root switch must not be a designated port

B. The designated port can forward configuration BPDU packets to the network segment connected to it

C. D. The port on the root switch must be a designated port

D. C. Each switch has only one designated port

Answer: B ([LEAVE A REPLY](#))

NEW QUESTION: 148

The only way for the STA to discover the wireless network is the beacon frame sent by the AP.

A. False

B. True

Answer: A ([LEAVE A REPLY](#))

NEW QUESTION: 149

Which layer of protocol does ARP belong to

A. data link layer

B. Physical layer

C. Transport layer

D. Network layer

Answer: ([SHOW ANSWER](#))

NEW QUESTION: 150

Which of the following SNMP packets are sent to the NMS by the Agent on the managed device?

A. Set-Request

B. Response

C. Get-Next-Request

D. Get-Request

Answer: B ([LEAVE A REPLY](#))

NEW QUESTION: 151

There is a WeB server in the private network that needs to provide HITP services to public network users. Therefore, the network administrator needs to configure NAT on the gateway router RTA.

- A. (RTA-Gigabitethernet0/0/1) nat server protocol tcp global 202.10.10.1 www inside 192.168.1.18080
- B. (RTA-Serial1/0/1) nat server protocol top global 202.10.10.1 www inside192.168.1.18080
- C. (RTA-Gigabitethernet0/0/1) nat server protocol tcp global 192.168.1.1 www inside 202.10.10.18080
- D. (RTA-Serial1/0/1) nat server protocol tcpglobal 192.168.1.1 www inside202.10.10.18080

Answer: B ([LEAVE A REPLY](#))

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NEW QUESTION: 152

The following two configuration commands can realize the router RTA.

The main and backup backup routes to the same destination 10.1.1.0: () (RTA)ip route--static10.1.1.02412.1.1.1 permanent(RTA)ip route--static10.2.2.02413.1.1.1.

- A. True
- B. False

Answer: B ([LEAVE A REPLY](#))

NEW QUESTION: 153

As shown in the figure below. All hosts can communicate normally. Which of the following statements are correct? () (Multiple Choice Questions)



- A. SWA's G0/0/3 learned 3 mac addresses

- B. SWA's G0/0/3 learned 2 mac addresses
- C. G0/0/3 of SWB learned 2 mac addresses
- D. SWA's G0/0/3 learned 1 mac address

Answer: C,D ([LEAVE A REPLY](#))

NEW QUESTION: 154

Layer 2 ACL can match source MAC, destination MAC, source IP, destination IP and other information. ()

- A. False
- B. True

Answer: ([SHOW ANSWER](#))

NEW QUESTION: 155

The function of the OSPF hello message is ()

- A. Neighbor discovery
- B. Synchronize the LSDB of the router
- C. Maintain neighbor relations
- D. Update LSA. Information

Answer: ([SHOW ANSWER](#))

NEW QUESTION: 156

When Huawei switches run STP, the priority of the switch is () by default.

- A. 8192
- B. 4096
- C. 32768
- D. 16384

Answer: ([SHOW ANSWER](#))

NEW QUESTION: 157

What is the main function of the DNS protocol?

- A. Remote access
- B. File transfer
- C. Domain name resolution
- D. Email transmission

Answer: C ([LEAVE A REPLY](#))

Detailed Explanation:DNS (Domain Name System) is responsible for translating human-readable domain names (like www.example.com) into IP addresses, enabling devices to locate services on a network.

(Reference: HCIA-Datacom Training Material, DNS Function and Protocol Overview)

NEW QUESTION: 158

The network is shown in the figure below. The router uses a sub-interface as the host gateway. The gateway IP address is 10.0.12.2. Which of the following commands can achieve this requirement? () (Multiple Choice Questions)



- A. interface GigabitEthernet0/0/0.10Dotlq termination vid 20
Ip address10.0.12.2255.255.255.0Arp broadcast enable
- B. interface GigabitEthernet0/0/0.20Dotlg termination vid 10
Ip address10.0.12.2255.255.255.0Arp broadcast enable
- C. interface GigabitEthernet0/0/0.20Dotlq termination vid 20
Ip address10.0.12.2255.255.255.0Arp broadcast enable #
- D. interface GigabitEthernet0/0/0.10Dotlq termination vid 10
Ip address10.0.12.2255.255.255.0 Arp broadcast enable #

Answer: A,C (LEAVE A REPLY)

NEW QUESTION: 159

The MAC address table of existing switches is shown in the figure. Which of the following statements are correct? () (Single-choice question)

MAC address	VLAN/VSI/VSI	PEVLAN CEVLAN	Port	Type	LSP/VSR-ID MAC-Tunnel
5489-9811-0b49 1	-	-	Eth0/0/2	static	-
Total watching items on slot 0 displayed: 17					
MAC address table of slot 0					
MAC address	VLAN/VSI/VSI	PEVLAN CEVLAN	Port	Type	LSP/VSR-ID MAC-Tunnel
5489-989d-1d30 1	-	-	Eth0/0/1	dynamic	0/-
5489-9885-18a8 1	-	-	Eth0/0/2	dynamic	0/-

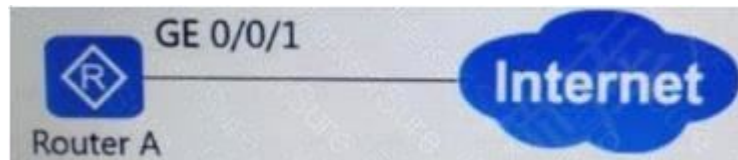
- A. Received a data frame with a source MAC address of 5489-9811-0b49 and a destination MAC address of 5489-989d1d30 from the port. Forwarded from the Eth0/0/2 port
- B. When the switch restarts, the MAC address learned by port Eth0/0/2 does not need to be relearned
- C. D. When the switch restarts, the MAC address learned by port Eth0/0/2 does not need to be relearned
- D. The data frame with the source MAC address of 5489-9885-18a8 and the destination MAC address of 5489-989d-1d30 is received from the port. It is forwarded from the Eth0/0/1 port

Answer: D ([LEAVE A REPLY](#))

NEW QUESTION: 160

As shown in the figure, the administrator hopes that all hosts cannot access the Internet from 8:00 to 17:00 every day. Which ACL rule needs to be bound to traffic-filter outbound in the interface configuration of G0/0

/1? () (Single-choice question)



- A. time-range am9 to pm5 08:00 to 17:00 daily # Acl number 2001 Rule 5 deny time-range am9 to pm5 #
- B. time-range am9 to pm5 07:00 to 18:00 daily # Acl number 2002 Rule 5 permit time-range am9 to pm5 #
- C. time-range am9 to pm5 08:00 to 17:00 off-day # Acl number 2004 Rule 5 permit time-range am9 to pm5

Answer: B ([LEAVE A REPLY](#))

NEW QUESTION: 161

Regarding the IPv6 address 2031:0000:720C:0000:0000:09E0:839A:130B, which of the following abbreviations are correct? ()

- A. 2031:0:720C:-9E0:839A:130B
- B. 2031:0:720C:0:0:9E0:839A:130B
- C. D. 2031:720C:9E0:839A:130B

Answer: (SHOW ANSWER)

NEW QUESTION: 162

(Which of the following descriptions regarding the STP forwarding state is incorrect?)

- A. A port in a forwarding state can send BPDU.
- B. A port in a forwarding state does not learn the source MAC address of a frame.
- C. A port in a forwarding state can receive BPDU.
- D. A port in a forwarding state can forward frames.

Answer: B ([LEAVE A REPLY](#))

* STP Forwarding State: In the forwarding state, a port can:

* Send and receive BPDUs (Bridge Protocol Data Units).

* Learn source MAC addresses from incoming frames.

* Forward frames to their destinations.

* Analysis of Options:

* Option A: Correct. Ports in the forwarding state send BPDUs to maintain network topology.

* Option B: Incorrect. Ports in the forwarding state do learn source MAC addresses.

- * Option C: Correct. Ports in the forwarding state receive BPDUs.
- * Option D: Correct. Ports in the forwarding state forward data frames.
- * Correct answer: B. A port in a forwarding state does not learn the source MAC address of a frame is incorrect.

NEW QUESTION: 163

On Huawei devices, if you use aaA authentication to authorize. When the remote server does not respond, you can authorize from the network device side ()

- A. True
- B. False

Answer: ([SHOW ANSWER](#))

NEW QUESTION: 164

The topology shown in the figure and the configuration on the interconnection ports of the switch. Can it be judged that the data frame tagged as VLAN10 can be forwarded normally between the two switches? ()(True or False)



```
(LSW1) interface GigabitEthernet 0/0/1
(LSW1-GigabitEthernet0/0/1) port link-type trunk
(LSW1-GigabitEthernet0/0/1) port trunk pvid vlan 20
(LSW1-GigabitEthernet0/0/1) port trunk allow-passvlan 10
#
(LSW2) interface GigabitEthernet 0/0/1
(LSW2-GigabitEthernet0/0/1) port link-type trunk
(LSW2-GigabitEthernet0/0/1) port trunk pvid vlan 10
(LSW2-GigabitEthernet0/0/1) port trunk allow-passvlan 10
```

- A. True
- B. False

Answer: A ([LEAVE A REPLY](#))

NEW QUESTION: 165

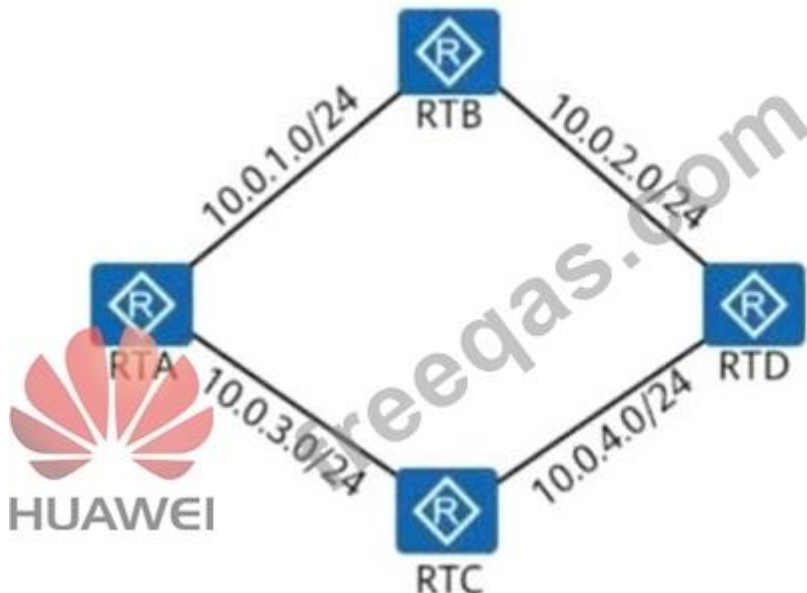
VRP operating system commands are divided into four levels: access level, monitoring level, configuration level, and management level. Which level can run various business configurations and set commands but cannot operate the file system?

- A. D. Monitoring level
- B. B. Access level
- C. Configuration level
- D. C. Management level

Answer: ([SHOW ANSWER](#))

NEW QUESTION: 166

In the following figure, all links are Ethernet links, and all interfaces on the routers are running OSPF. Given this, how many DRs will be elected on this network?



- A. 1
- B. 3
- C. 4
- D. 2

Answer: **B** ([LEAVE A REPLY](#))

In OSPF networks, a DR (Designated Router) is elected for each broadcast domain, such as each Ethernet segment. Given the topology where there are multiple Ethernet segments, a DR will be elected in each segment, resulting in three DRs based on the configuration and network design.

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NEW QUESTION: 167

Assuming that an administrator is running the command shown in the figure on an AR2200 router, which of the following statements about the configuration is true?

```
<Huawei> reset saved-configuration
```

Warning: The action will delete the saved configuration in the device.

The configuration will be erased to reconfigure. Continue? [Y/N]:

A. The saved configuration file will be replaced by the running configuration file.

B. The configuration file for next startup is retained.

C. To clear the configuration file for next startup, select Y.

D. To clear the configuration file for next startup, select N.

Answer: C (LEAVE A REPLY)

On Huawei routers running VRP, the reset saved-configuration command is used to delete the saved startup configuration file.

* Option A (Incorrect): This command does not replace the saved configuration with the running configuration. Instead, it deletes the saved startup configuration.

* Option B (Incorrect): The configuration file for the next startup is NOT retained. Instead, it is erased, meaning the device will boot with default settings if restarted.

* Option C (Correct): Selecting Y (Yes) confirms the deletion of the saved startup configuration file, meaning the router will no longer have a saved configuration at the next reboot.

* Option D (Incorrect): Selecting N (No) cancels the operation and keeps the saved startup configuration intact.

Thus, the correct answer is C. To clear the configuration file for next startup, select Y.

NEW QUESTION: 168

Which of the following attributes cannot be used as a parameter to measure Cost?

A. Bandwidth

B. sysname

C. Hop count

D. Delay

Answer: B (LEAVE A REPLY)

NEW QUESTION: 169

A trunk interface allows frames from multiple VLANs including VLAN 4096.

A. TRUE

B. FALSE

Answer: B (LEAVE A REPLY)

Explanation:

NEW QUESTION: 170

Protocol Priority Switch A.

and Switch B.

adopt LACP mode link aggregation, and all interfaces join the link aggregation group. At the same time, set the maximum number of active ports to 3. Then which port of switch A is not an active port? ()

A. G0/0/1

B. G0/0/0

C. G0/0/3

D. G0/0/2

Answer: ([SHOW ANSWER](#))

NEW QUESTION: 171

On an interface that uses PPP as the data link layer protocol, you can configure a static route by specifying a next-hop address or outbound interface.

A. TRUE

B. FALSE

Answer: A ([LEAVE A REPLY](#))

Comprehensive and Detailed Explanation:

* In PPP (Point-to-Point Protocol) connections, a static route can be configured using:

* Next-hop IP address

* Outbound interface

* Since PPP links are point-to-point, the router can directly forward packets without needing an explicit next-hop address.

* Example configurations:

```
ip route-static 10.1.1.0 24 Serial0/0/0
```

```
ip route-static 10.1.1.0 24 192.168.1.2
```

Reference: HCIA-Datacom Routing Guide - Static Route Configuration on PPP

NEW QUESTION: 172

Which of the following ACLs can match the transport layer port number?

A. Basic ACL

B. Layer 2 ACL

C. Advanced ACL

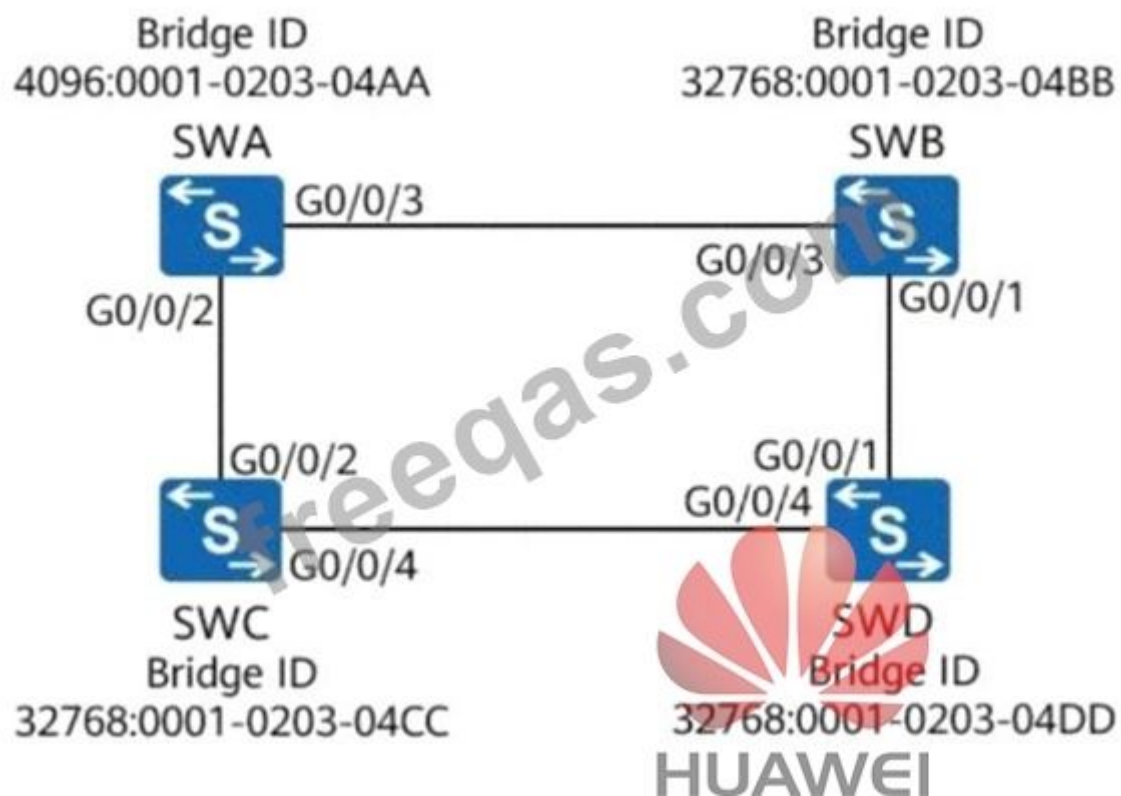
D. Intermediate ACL

Answer: C ([LEAVE A REPLY](#))

Explanation:

NEW QUESTION: 173

As shown in the figure, all switches run STP. Assume that the path cost of all ports is 200. What is the root path cost contained in the configuration BPDU received by G0/0/4 on SWD?



- A. 200
- B. 600
- C. 400
- D. 0

Answer: B ([LEAVE A REPLY](#))

The root path cost is calculated by summing the costs of each port on the path from the root bridge to the receiving port. In this case, assuming each link has a cost of 200, the total cost to reach the root from the indicated port would be 600, reflecting three hops from the root bridge.

NEW QUESTION: 174

The link aggregation interface can only be used as a Layer 2 interface (C)

- A. False
- B. True

Answer: B ([LEAVE A REPLY](#))

NEW QUESTION: 175

The output information of the link aggregation port of a certain switch is as follows. If you want to delete Eth- Trunk1, which of the following commands is correct? ()

- A. `inte GigabitEthernet 0./0/1 Undo eth-trunk Quit inte GigabitEthernet0./0/2 Undo ethtrunk Quit`
- B. `D. inte GigabitEthernet 0./0/1 Undo eth-trunk Quit Undo interface eth-trunk 1`
- C. `undo interface Eth-trunk 1`
- D. `B. inte GigabitEthernet 0./0/2 Undo eth-trunk Quit Undo interface eth-trunk 1`

Answer: C ([LEAVE A REPLY](#))

NEW QUESTION: 176

As shown in the figure, router A has successfully telneted to router B using 10.0.12.2. Which of the following operations will interrupt the Telnet session between router A and router B?



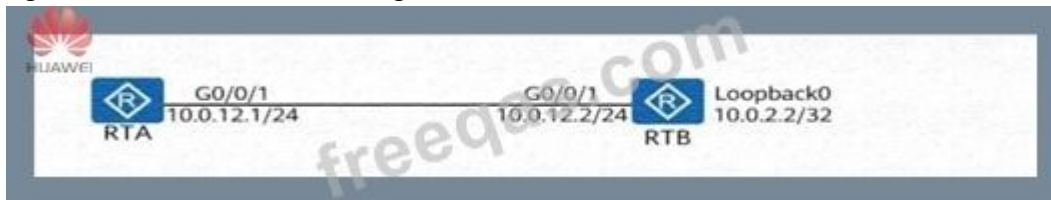
- A. Enable OSPF on G0/0/1
- B. Change the IP address of G0/0/1
- C. Disable G0/0/1
- D. Configure a static route

Answer: B,C (LEAVE A REPLY)

Explanation:

NEW QUESTION: 177

To enable Router A to communicate with Loopback 0 on Router B on the network shown in the figure, which of the following commands needs to be run on Router A?



- A. ip route-static 10.0.2.2 32 GigabitEthernet 0/0/0
- B. ip route-static 10.0.2.2 255.255.255.255 10.0.12.1
- C. ip route-static 10.0.2.2 255.255.255.255 10.0.12.2
- D. ip route-static 10.0.2.2 0 GigabitEthernet 0/0/0

Answer: (SHOW ANSWER)

Comprehensive Explanation: Router A needs a static route to reach the Loopback interface (10.0.2.2/32) on Router B. The correct next-hop IP address is 10.0.12.2, which is Router B's interface IP address directly connected to Router A

NEW QUESTION: 178

As shown in the figure below. Which port of the following switches will be blocked? () (Single-choice question)



- A. D.G0/0/3 of SWB
- B. B.SWA's G0/0/3
- C. C.SWC's G0/0/1

Answer: A ([LEAVE A REPLY](#))

NEW QUESTION: 179

Which of the following statements about the network shown in the figure is true?



- A. The sub-interface of Router B cannot learn the MAC address of the sub-interface of Router A.
- B. The sub-interface of Router A cannot learn the MAC address of the sub-interface of Router B.
- C. The sub-interface numbers of Router A and Router B are different, so Router A and Router B cannot communicate with each other.
- D. The host at 10.0.12.1 can ping the host at 10.0.12.2.

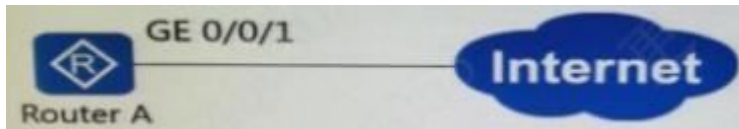
Answer: D ([LEAVE A REPLY](#))

Given correct configuration, hosts within the same subnet should be able to communicate, so the host at

10.0.12.1 can ping the host at 10.0.12.2. This scenario assumes correct interconnectivity and absence of firewall or ACL rules that would block the communication.

NEW QUESTION: 180

Network as shown in the picture. The administrator hopes that all hosts cannot access the Web service (the port number is 80). Other services can be accessed normally. In the interface configuration of G0/0/1, which ACL rule needs to be bound to traffic-filter outbound?



A. acl number 3003

Rule 5 permit ip

Rule 10 deny udp destination-port eq www#

B. acl number 3000

Rule 5 deny tcp destination-port eq www Rule 10 permit ip

#

C. acl number 3001

Rule 5 deny udp destination-port eq ww

Rule 10 permit ip

#

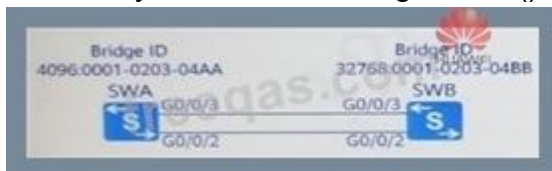
D. rule 5 permit ip

ARule 10 deny top destination-port eq ww#

Answer: B ([LEAVE A REPLY](#))

NEW QUESTION: 181

The two switches shown in the figure below have both enabled the STP protocol. Which port will eventually be in the Blocking state? ()



A. SWA's G0/0/3 port

B. G0/0/3 port of SWB

C. G0/0/2 port of SWB

D. SWA's G0/0/2 port

Answer: B ([LEAVE A REPLY](#))

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NEW QUESTION: 182

The default bridge priority of a Huawei switch is 32768.

- A. TRUE
- B. FALSE

Answer: A (LEAVE A REPLY)

* Bridge Priority Overview:

* Bridge Priority is a key parameter in Spanning Tree Protocol (STP) and is used to elect the root bridge.

* The default bridge priority for Huawei switches is 32768, which is the default for many vendors.

* How STP Uses Bridge Priority:

* Lower bridge priority values are preferred during root bridge elections.

* Administrators can modify this value for desired root bridge placement.

References: HCIA-Datacom V1.0 Certification Guide, Chapter 8: Spanning Tree Protocol.

NEW QUESTION: 183

Which of the following statements about static routes on Huawei devices is false?

- A. The preference value of a static route is in the range 1 to 255.
- B. The cost of a static route cannot be changed.
- C. The default preference value of a static route is 60.
- D. When the preference value of a static route is 0, this static route is selected as the optimal route.

Answer: (SHOW ANSWER)

NEW QUESTION: 184

In the network shown in the figure below, what commands can be entered on the router to make host A ping host B through? ()



- A. RTA:ip route-static 10.0.12.5 255.255.255.252 11.0.12.2
RTB: route-static 10.0.12.1 255.255.255.252 11.0.12.1
- B. RTA:ip route-static 10.0.12.5 255.255.255.252 11.0.12.1
RTB:ip route-static 10.0.12.1 255.255.255.252 11.0.12.2
- C. RTA:ip route-static 0.0.0.0 0.0.0.0 11.0.12.1

CRTB:ip route-static 0.0.0.0 0.0.0.0 11.0.12.2
D. RTA:ip route-static 0.0.0.0 0.0.0.0 11.0.12.2
RTB:ip route-static 0.0.0.0 0.0.0.0 11.0.12.1

Answer: A,D (LEAVE A REPLY)

NEW QUESTION: 185

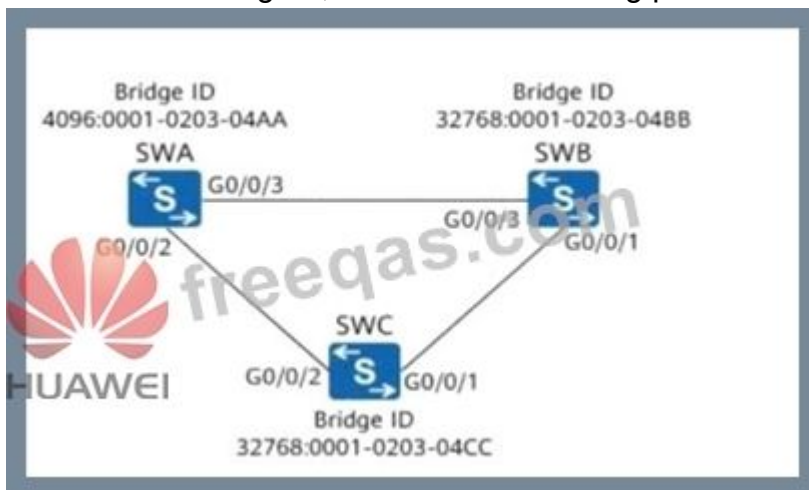
When AP and MC are in different Layer 3 networks, what method is recommended for AP to discover AC?

- A. DNS
- B. Manually specified on AP
- C. DHCP
- D. Broadcasting method

Answer: D (LEAVE A REPLY)

NEW QUESTION: 186

As shown in the figure, which of the following ports will be in a blocking state?



- A. G0/0/2 of SWC
- B. G0/0/3 of SWB
- C. G0/0/1 of SWC
- D. G0/0/3 of SWA

Answer: (SHOW ANSWER)

Comprehensive Explanation: SWA has the lowest Bridge ID and is the root bridge. In this topology, G0/0/2 of SWA and G0/0/1 of SWC are forwarding ports. Since G0/0/3 of SWB provides an alternate path to the root bridge, it will be placed in a blocking state to prevent network loops. The Spanning Tree Protocol ensures that only the most efficient path to the root bridge is active, and alternate paths are blocked until needed.

NEW QUESTION: 187

On an STP-enabled switch, a port in the forwarding state can receive BPDU packets.

- A. TRUE
- B. FALSE

Answer: B ([LEAVE A REPLY](#))

Comprehensive and Detailed Explanation:

* BPDU (Bridge Protocol Data Unit) packets are exchanged only on ports in Blocking, Listening, and Learning states.

* Ports in Forwarding state DO NOT receive BPDU packets (BPDUs are only processed by non-designated ports).

* If a forwarding port starts receiving BPDUs, it goes back to Listening state to re-evaluate STP topology.

Reference: HCIA-Datacom Switching Guide - STP Port States

NEW QUESTION: 188

Which of the following commands can be used to query the configuration information of the device's OSPF protocol? (*)

A. `dis ip routing-table`

B. Enter the command "display t in the OsPF protocol view.

Answer: ([SHOW ANSWER](#))

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NEW QUESTION: 189

Which of the following types of addresses are not included in IPv6 addresses?

A. Anycast address

B. Broadcast address

C. Multicast address

D. Unicast address

Answer: B ([LEAVE A REPLY](#))

NEW QUESTION: 190

Which of the following percentage does the lease time of a DHCP client's IP address reach to trigger the DHCP client to send a lease renewal packet for the first time?

A. 0.875

B. 0.5

C. 0.25

D. 1

Answer: B ([LEAVE A REPLY](#))

In DHCP (Dynamic Host Configuration Protocol):

* The client starts renewal at 50% (0.5) of the lease time to extend its lease with the DHCP server.

* If unsuccessful, it tries again at 87.5% (0.875) before the lease expires.

* Option A (Incorrect - 0.875): This is the second attempt if the first renewal fails.

- * Option B (Correct - 0.5): The first renewal attempt occurs when the lease reaches 50% of its duration.
 - * Option C (Incorrect - 0.25): No renewal attempt happens at 25%.
 - * Option D (Incorrect - 1): At 100% lease expiration, the IP is released and a new request is needed.
- Thus, the correct answer is B.

NEW QUESTION: 191

In the following figure, all links are Ethernet links, and all interfaces on the routers are running OSPF. Given this, how many DRs will be elected on this network?



- A. 1
- B. 3
- C. 4
- D. 2

Answer: (SHOW ANSWER)

In OSPF networks, a DR (Designated Router) is elected for each broadcast domain, such as each Ethernet segment. Given the topology where there are multiple Ethernet segments, a DR will be elected in each segment, resulting in three DRs based on the configuration and network design.

NEW QUESTION: 192

The following two configuration commands can implement router RIA. The route to the same destination

10.1.1.1.0 is active and standby:

- A. Mistake
- B. True

Answer: (SHOW ANSWER)

NEW QUESTION: 193

The switch GE0/0/1 port configuration information is shown in the figure. Which VLAN data frame does the switch not carry when forwarding?()

```
#
interface GigabitEthernet0/0/1
 port link-type trunk
 port trunk pvid vlan 10
 port trunk allow-pass vlan 10 20 30 40
#
```

- A. 30
- B. 10
- C. 20

Answer: C ([LEAVE A REPLY](#))

NEW QUESTION: 194

Which category does the IPv6 address FE80:2E0:FCFF:FE6F:4F36 belong to? ()

- A. Global semicast address
- B. Anycast address
- C. Link local address

Answer: A ([LEAVE A REPLY](#))

NEW QUESTION: 195

An ACL rule is as follows: Which of the following IP addresses can be matched by permit rules? ()
rule5 permit ip source 10.0.1.0 0.254.255*

- A. 10.0.2.3
- B. 10.0.1.2
- C. 10.0.4.5
- D. 10.0.3.4

Answer: ([SHOW ANSWER](#))

NEW QUESTION: 196

The output information of the router R1 routing table is shown in the figure. Which of the following statements is correct? () (Multiple Choice Questions)

<R1>display ip routing-table

Route Flags: R-relay, D-download to fib

Routing Tables: Public

Destinations 13

Routes:13



Destination/Mask	Proto	Pre	Cost	Flags	NextHop	Interface
0.0.0.0/0	Static	60	0	RD	10.0.14.4	GigabitEthernet0/0/0
10.0.0.0/8	Static	60	0	RD	10.0.12.2	Ethernet0/0/0
10.0.2.0/24	Static	60	0	RD	10.0.13.3	Ethernet0/0/2
10.0.2.2/32	OSPF	10	50	RD	10.0.21.2	Ethernet0/0/1

- A. The router will discard packets whose destination network is 11.0.0.0/8
- B. The data packet whose destination network is 11.0.0.0/8 will be forwarded from the router's GigabitEthernet0/0/0 interface
- C. The router will forward data packets whose destination network is 12.0.0.0/8
- D. The data packet whose destination network is 12.0.0.0/8 will be forwarded from the router's Ethernet0/0/0 interface

Answer: B,C (LEAVE A REPLY)

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NEW QUESTION: 197

(Which of the following methods can be used to assign service VLANs during campus network planning?)

- A. VLAN assignment by service type
- B. VLAN assignment by logical area
- C. VLAN assignment by geographic area
- D. VLAN assignment by personnel structure

Answer: A,B,C (LEAVE A REPLY)

* VLAN Assignment Overview: VLAN (Virtual Local Area Network) assignment is a critical step in campus network planning. It involves logically segmenting a network to improve manageability, security, and performance. Huawei recommends various approaches based on specific needs.

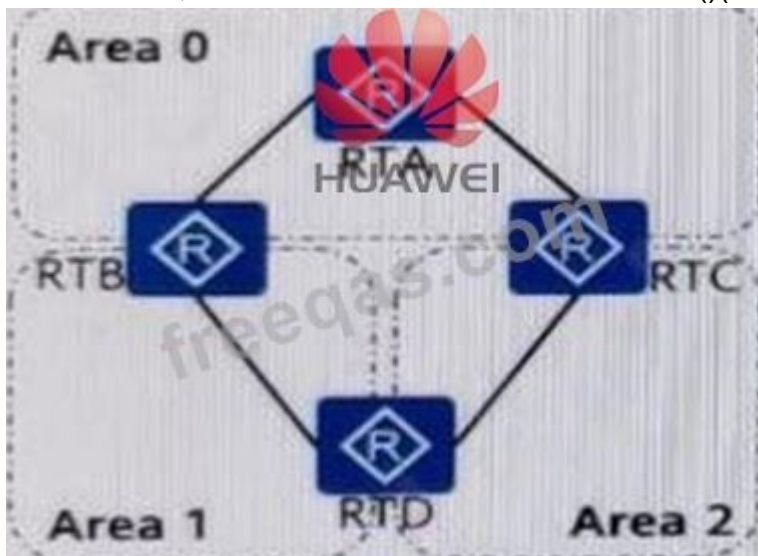
* Analysis of Options:

* Option A: "VLAN assignment by service type" This method groups devices based on the type of service they require (e.g., voice, video, data). It helps in isolating traffic for different service types, improving QoS and security. This is a common practice in network planning.

- * Option B: "VLAN assignment by logical area" Logical area-based assignment groups devices based on their logical function in the network (e.g., core, access, distribution). It ensures proper segmentation and alignment with network topology.
- * Option C: "VLAN assignment by geographic area" Assigning VLANs based on geographic areas (e.g., floors in a building, departments) helps localize traffic within a region, reducing unnecessary cross-network traffic.
- * Option D: "VLAN assignment by personnel structure" While this option suggests assigning VLANs based on organizational structure (e.g., employees, managers), it is not a typical practice in VLAN assignment. It lacks scalability and alignment with network topology, making it an inefficient approach.
- * Correct Answers: The valid VLAN assignment methods in campus network planning are:
 - * A. By service type
 - * B. By logical area
 - * C. By geographic area

NEW QUESTION: 198

The network structure and OSPF partition are shown in the figure. Except for RTA in the figure, the routers RTB, RTC and RTD are all ABR routers. ()(True or False)

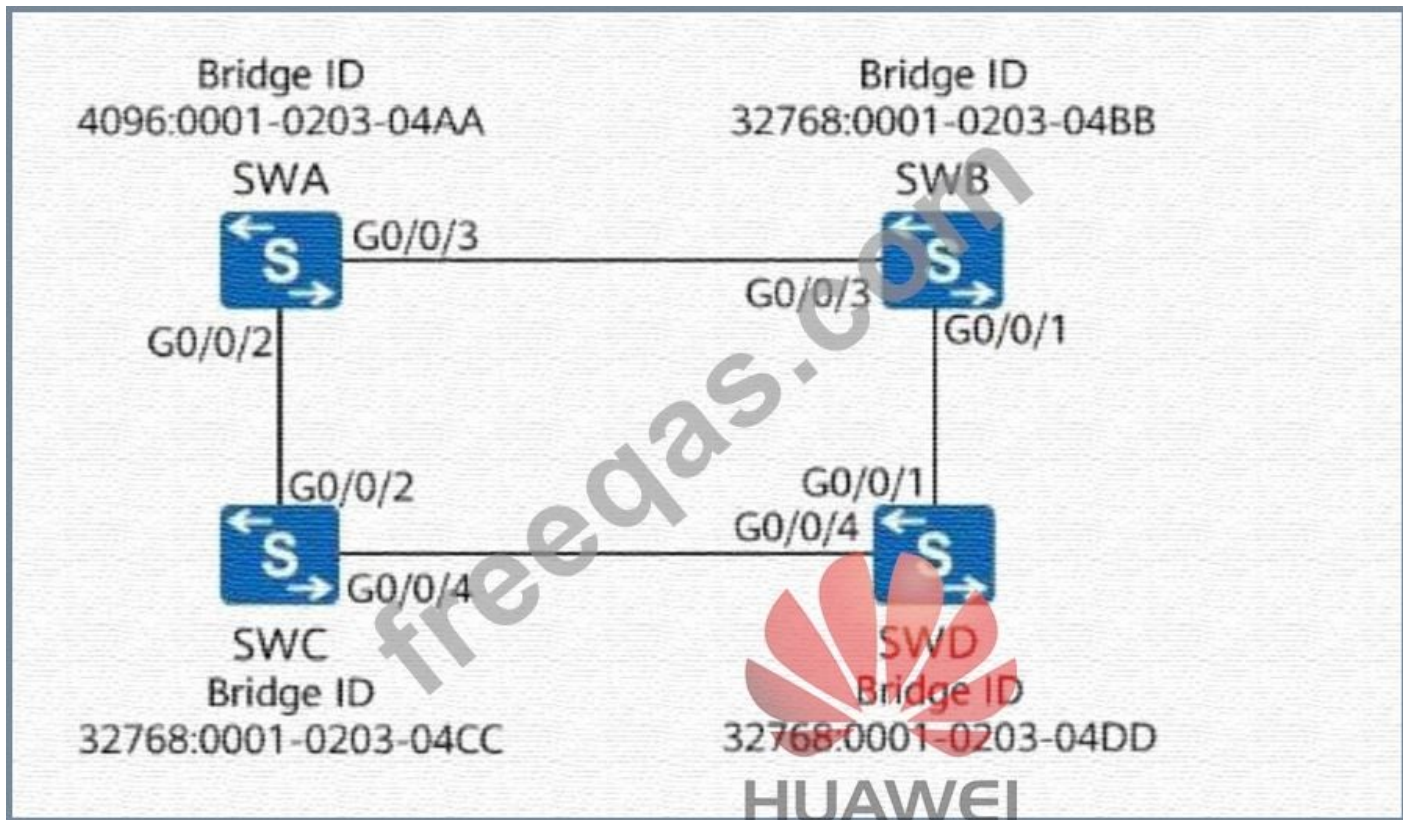


- A. True
- B. False

Answer: ([SHOW ANSWER](#))

NEW QUESTION: 199

As shown in the figure, all switches run STP. Assume that the path cost of all ports is 200. What is the root path cost contained in the configuration BPDU received by G0/0/4 on SWD?



- A. 0
- B. 400
- C. 200
- D. 600

Answer: D ([LEAVE A REPLY](#))

Explanation:

NEW QUESTION: 200

If a device running STP receives an RSTP configuration BPDU, it discards the BPDU.

- A. TRUE
- B. FALSE

Answer: A ([LEAVE A REPLY](#))

Detailed Explanation: A device running Standard Spanning Tree Protocol (STP) is not compatible with Rapid Spanning Tree Protocol (RSTP) BPDUs and will discard them upon receipt. STP devices cannot interpret the additional RSTP fields, leading to discarded BPDUs. (Reference: HCIA-Datcom Training Material, STP and RSTP Compatibility)

NEW QUESTION: 201

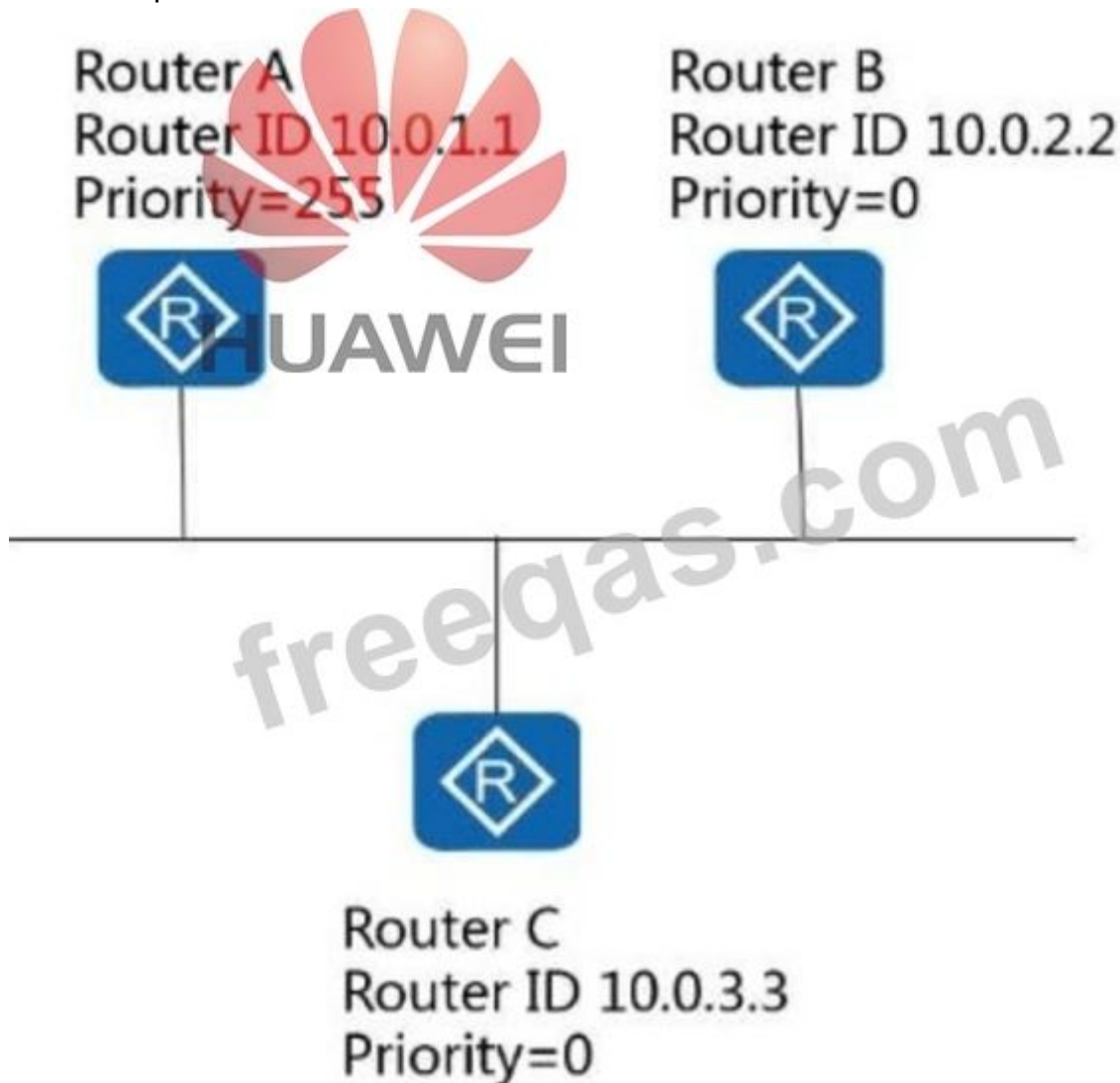
To ensure that the same data flow is forwarded on the same physical link, which load sharing method does the Eth-Trunk adopt? ()

- A. C. Load sharing based on application layer information
- B. B. Packet-based load sharing
- C. D. Load sharing based on data packet inbound interface
- D. Flow-based load sharing

Answer: D ([LEAVE A REPLY](#))

NEW QUESTION: 202

In the following figure, after the OSPF routers converge, in which state is the OSPF neighbor relationship between Router B and Router C?



- A. Full
- B. Down
- C. 2-way
- D. Attempt

Answer: C ([LEAVE A REPLY](#))

Explanation:

NEW QUESTION: 203

The administrator has configured the AR2200. Which of the following descriptions about the configuration information is correct ()

- A. If the user wants to clear the next startup configuration file of the device configuration, they should select "Y"
- B. The saved configuration file will be replaced by the running configuration file

C. D. The next startup file of the device configuration will be retained

D. If the user wants to clear the next startup configuration file of the device configuration, they should select "N"

Answer: A ([LEAVE A REPLY](#))

NEW QUESTION: 204

What is the range of VLAN ID users can use?

A. 1-4096

B. 0-4096

C. 1-4094

D. 0-4095

Answer: C ([LEAVE A REPLY](#))

NEW QUESTION: 205

A network engineer prompts the following message when entering the command line: Error: Unrecognized command found at '^' position. Which of the prompt information is correct? ()

A. The input command is incomplete

B. The input command is ambiguous

C. Keyword not found

D. Wrong parameter type

Answer: C ([LEAVE A REPLY](#))

NEW QUESTION: 206

In the WLAN network architecture, terminal devices that support the 802.11 standard are called? ()

A. STA

B. D. AP

C. B. AC

Answer: B ([LEAVE A REPLY](#))

NEW QUESTION: 207

Which of the following statements about IPv6 anycast addresses are correct?

A. The packet whose destination address is the anycast address will be sent to the nearest network interface in the sense of routing

B. Provide redundant functions for services

C. Realize the load sharing of services

D. Anycast address and unicast address use the same address space

Answer: A,B,C,D ([LEAVE A REPLY](#))

NEW QUESTION: 208

The following figure shows the display interface Eth-Trunk 1 command output on SWA. In the MAC address table of SWA, which of the following interfaces maps the MAC address of SWB?

```

[SWA]display interface Eth-Trunk 1
Eth-Trunk1 current state : UP
Line protocol current state : UP
Description:
Switch Port, PVID : 1, Hash arithmetic : According to SIP-XOR-DIP,Maximal BW:
2G, Current BW: 2G, The Maximum Frame Length is 9216
IP Sending Frames' Format is PKTFMT_ETHNT_2, Hardware address is 4c1f-ccb0-73d7
Current system time: 2019-02-28 10:44:19-08:00
  Input bandwidth utilization : 0%
  Output bandwidth utilization : 0%
-----
PortName                Status  Weight
-----
GigabitEthernet0/0/2    UP      1
GigabitEthernet0/0/3    UP      1
-----
The Number of Ports in Trunk : 2
The Number of UP Ports in Trunk : 2

```

- A. GigabitEthernet0/0/1
- B. Eth-Trunk 1
- C. GigabitEthernet0/0/3
- D. GigabitEthernet0/0/2

Answer: ([SHOW ANSWER](#))

Explanation:

NEW QUESTION: 209

The following protocols are China's link state routing protocol

- A. Static
- B. OSPF
- C. Direct

Answer: C ([LEAVE A REPLY](#))

NEW QUESTION: 210

If it is UDP, the value of the protocol field of the network layer is 6 ()

- A. False
- B. True

Answer: ([SHOW ANSWER](#))

NEW QUESTION: 211

The network shown in the figure below. Host A is not configured with a gateway, and Host B has the ARP cache of the gateway. Which of the following statements are correct? () (Multiple Choice Question) The answer describes the address wrong



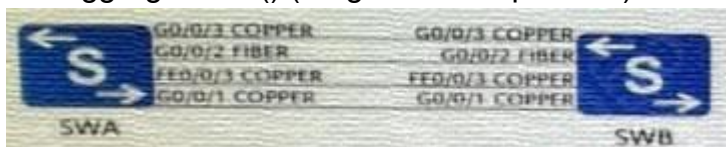
- A. The data packet sent by host A with the destination P address 10.0.12.1 (this address is changed to 11.0.12.1) can be forwarded to host B
- B. Enable proxy ARP on port G0/0/1 of the router, Then host A can communicate with host B
- C. Host A and Host B cannot communicate in both directions
- D. The data packet sent by host B with the destination P address of 10.0.12.1 can be forwarded to host A

Answer: ([SHOW ANSWER](#))

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NEW QUESTION: 212

The network shown in the figure below. Two switches are connected by four links. CUPPER refers to electrical interface and FIBER refers to optical interface. Then which two interfaces can realize link aggregation? () (Single-choice question)



- A. G0/0/3 and G0/0/2
- B. G0/0/3 and FE0/0/3
- C. G0/0/2 and FE0/0/3
- D. G0/0/2 and G0/0/1

Answer: A ([LEAVE A REPLY](#))

NEW QUESTION: 213

In the network shown in the figure below, which of the following commands can be entered on the router to enable host A to ping host B?

A. RTA: ip route-static 0.0.0.0 0.0.0.0 11.0.12.1 RTB:: ip route-static 0.0.0.0 0.0.0.0 11.0.12.2

B. RTA: ip route-static 10.0.12.5 255.255.255.252 11.0.12.1 RTB:: ip route-static 10.0.12.1 255.255.255.252 11.0.12.2

C. RTA: ip route-static 10.0.12.5 255.255.255.252 11.0.12.2 RTB:: ip route-static 10.0.12.1 255.255.255.252 11.0.12.1

D. RTA: ip route-static 0.0.0.0 0.0.0.0 11.0.12.2 RTB:: ip route-static 0.0.0.0 0.0.0.0 11.0.12.1

Answer: ([SHOW ANSWER](#))

NEW QUESTION: 214

VLAN4095 cannot be created on Huawei switches, and VLAN1 cannot be deleted.

A. True

B. False

Answer: A ([LEAVE A REPLY](#))

NEW QUESTION: 215

The vty distribution responsibility is shown in the figure, and the user authority level is set to level 3.

()

```
[Huawei]user-interface vty 0 14 Huawei-UI-VTYO-14acl 200o inbound Huawei-UI-VTYO-14Juser privilegelevel 3 [Huawei-UI-VTYO-14]authentication-mode password>Please Configure the login password (maximum length 16): huawei
```

A. True

B. False

Answer: ([SHOW ANSWER](#))

NEW QUESTION: 216

Which of the following is not the reason why RSTP can increase the speed of convergence? ()

A. P/A. Mechanism

B. The introduction of edge ports

C. Forward.Delay cancelled

Answer: A ([LEAVE A REPLY](#))

NEW QUESTION: 217

Using the ACL shown in the figure on the router RTA to match routing entries, which of the following entries will be matched?

A. 192.17.0.0/24

B. 172.18.0.0/16

C. 172.16.1.1/32

D. 172.16.1.0/24

Answer: B,C ([LEAVE A REPLY](#))

NEW QUESTION: 218

The AC uses the CAPWAP control tunnel to transmit management messages to the FIT AP.

A. False

B. True

Answer: B ([LEAVE A REPLY](#))

NEW QUESTION: 219

As shown in the figure below, in the MAC address table of the network. SWA and SWB, which of the MAC addresses, VLANs, and ports are correct? () (Single-choice question)



A. SWA:

MAC

Address VLAN

Port

MAC-A

MAC-B

MAC-C

10

GEC/0/3

20

GEC/0/3

GEC/0/3

100

B. SWB:

MAC Address VLAN

Port

MAC-A

MAC-B

MAC-C

100

200

100

GEC/0/3

GEC/0/3

GEC/0/1

C. SWB:

MAC Address VLAN

Port

MAC-A

MAC-B

MAC-C

10

GEC/0/3

GEC/0/3

GEC/0/1

20

100

D. SWA:

MAC Address

VLAN

Port

MAC-A

MAC-B

MAC-C

10

GEC/0/1

GEC/0/2

GEC/0/3

20

100

Answer: C ([LEAVE A REPLY](#))

NEW QUESTION: 220

What is the main function of the dynamic routing protocol?

A. Dynamically generate routing entries

B. Control router interface status

- C. Manage routers
- D. Generate IP address

Answer: A ([LEAVE A REPLY](#))

NEW QUESTION: 221

What is the total length of the interface identifier of the link-local unicast address in bits?

- A. 32bit
- B. 48bit
- C. 96bit
- D. 64bit

Answer: D ([LEAVE A REPLY](#))

NEW QUESTION: 222

Trunk interfaces can send both tagged and untagged frames.

- A. TRUE
- B. FALSE

Answer: A ([LEAVE A REPLY](#))

* Trunk Interface Basics:

* Trunk interfaces are used to carry traffic for multiple VLANs between switches.

* Tagged frames include VLAN identifiers, while untagged frames belong to the native VLAN.

* Untagged Frames:

* Frames from the native VLAN are sent untagged on the trunk interface.

* Conclusion:

* Trunk interfaces support both tagged and untagged frames, so the statement is TRUE.

References: HCIA-Datacom V1.0 Certification Guide, Chapter 4: VLAN Basics.

NEW QUESTION: 223

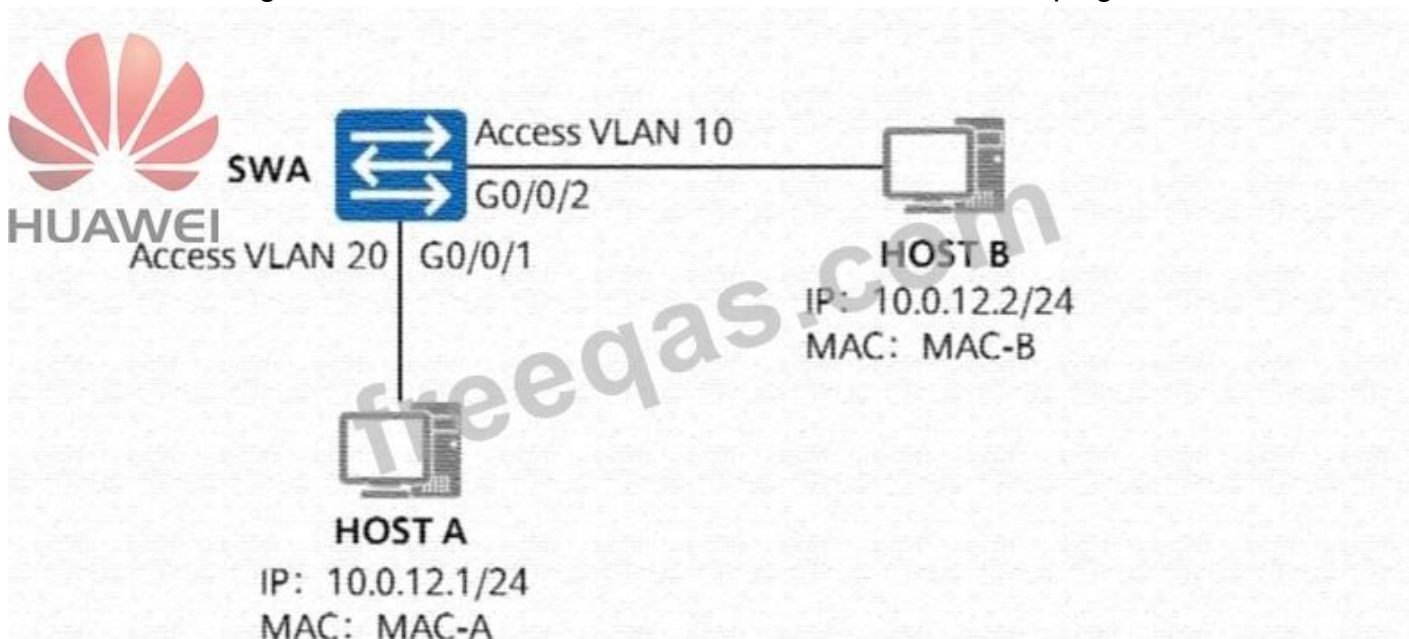
The network shown in the figure below. The network where host A is required to access the Internet through Easy IP, then which of the following ACLs should be used on the G0/0/3 interface of router A? () (Single-choice question)



- A. D. acl number 2000 Rule 5 permit source 10.0.13.1.0.0.0.0
 - B. acl number 2000 Rule 5 permit source 10.0.12.1.0.0.0.0#
 - C. acl number 2000 Rule 5 permit source 10.0.12.0.0.0.0.0.255#
 - D. acl number 2000 Rule 5 permit source 10.0.13.0.0.0.0.0.255#
- Answer: D (LEAVE A REPLY)**

NEW QUESTION: 224

As shown in the figure, if host A has the ARP cache of host B, host A can ping host B.



- A. TRUE
- B. FALSE

Answer: (SHOW ANSWER)

If host A already has host B's MAC address in its ARP cache, it can send packets directly to host B without needing to perform an ARP request. This cached information allows immediate packet delivery, assuming no network changes have occurred that would invalidate the ARP entry.

NEW QUESTION: 225

(If a routing table contains multiple routes to the same destination network, what are these routes called?)

- A. Sub-optimal routes
- B. Multipath routes
- C. Equal-cost routes
- D. Default routes

Answer: (SHOW ANSWER)

* Routing Table and Equal-Cost Routes: When multiple routes to the same destination network have the same cost (e.g., metric or administrative distance), they are referred to as "equal-cost routes." Routers use load balancing to distribute traffic across these routes.

* Analysis of Options:

* Option A: "Sub-optimal routes" are routes that are not preferred due to higher cost or less desirable metrics.

* Option B: "Multipath routes" is a general term but does not specify equal cost, making it less precise.

* Option C: "Equal-cost routes" is correct as the scenario specifies the same destination network with the same cost.

* Option D: "Default routes" are used when no specific route matches the destination, which is unrelated to the given scenario.

* Correct answer: The routes are C (Equal-cost routes).

NEW QUESTION: 226

The administrator configures R1 as shown in the figure. But R1 cannot learn the routes of other routers, so it may be.

The reason is? () (Multiple Choice Questions)

```
[R1]ospf
[R1-ospf-1]area 1
[R1-ospf-1-area-0.0.0.1]network 10.0.12.0 0.0.0.255
```

- A. C. When this router is configured, the ospf process number is not configured
- B. The area configured by this router ID and its neighbor router area ID is different
- C. This router is not configured with authentication function but the neighbor router is configured with authentication function
- D. This router did not announce the network connected to neighbors when configuring ospf

Answer: (SHOW ANSWER)

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NEW QUESTION: 227

Which of the following parameters is used to elect the root bridge in STP?

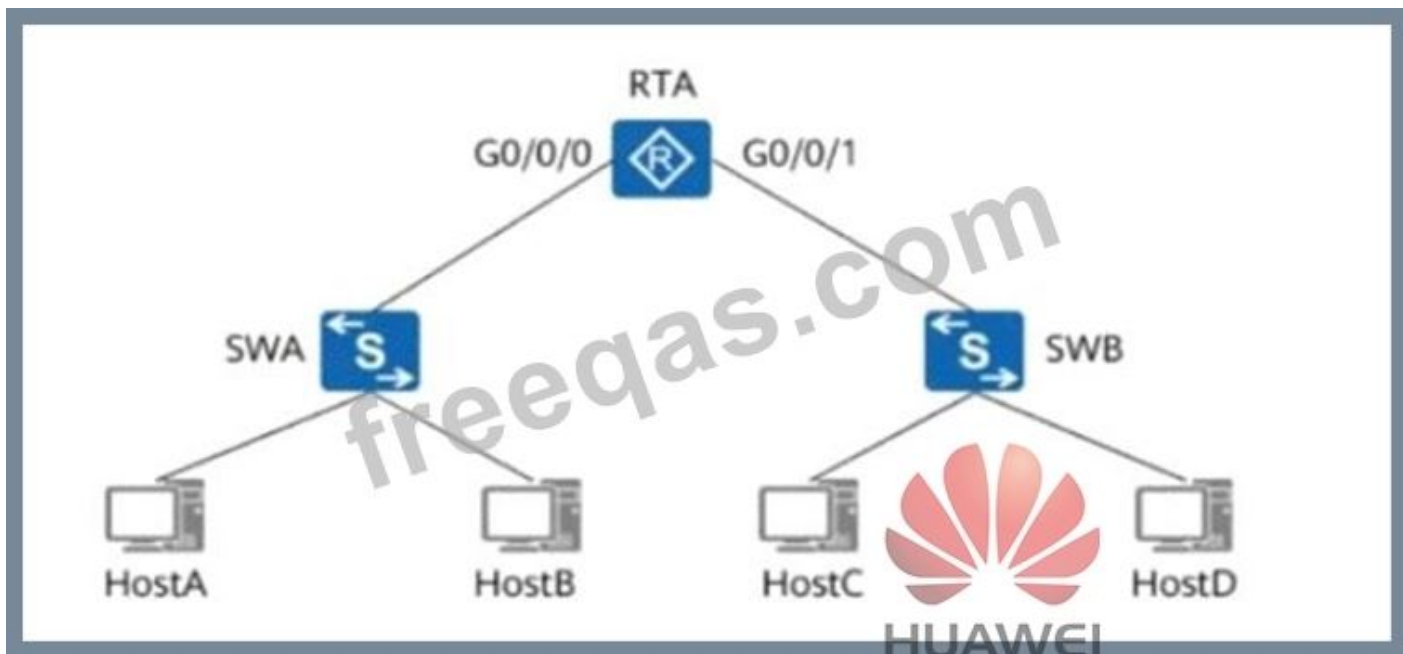
- A. Bridge ID
- B. Port ID
- C. Root path cost
- D. System name of the switch

Answer: A (LEAVE A REPLY)

Comprehensive Explanation: In STP (Spanning Tree Protocol), the root bridge is elected based on the lowest Bridge ID. The Bridge ID consists of two parts: the bridge priority and the MAC address of the switch. The switch with the lowest Bridge ID is elected as the root bridge. If two switches have the same priority, the switch with the lowest MAC address becomes the root. Other parameters such as Port ID and Root path cost are used in subsequent decisions to determine the best paths to the root bridge, but they are not used in the root bridge election itself.

NEW QUESTION: 228

On the network shown in the figure, G0/0/0 and G0/0/1 of RTA connect to two different network segments, and RTA is the gateway between the two networks. Given this, the MAC address from which of the following needs to be obtained using an ARP Request message before HostA sends data to HostC?



- A. HostC
- B. G0/0/1 of RTA
- C. SWA
- D. G0/0/0 of RTA

Answer: D (LEAVE A REPLY)

When HostA wants to send data to HostC, the following steps occur:

- * HostA checks if HostC is in the same subnet:
- * HostA and HostC are in different network segments, meaning HostA must send the packet to its default gateway (RTA, G0/0/0) to reach HostC.
- * HostA needs the MAC address of its gateway (RTA G0/0/0):
- * Since ARP (Address Resolution Protocol) is used to resolve IP to MAC addresses, HostA will send an ARP Request to obtain the MAC address of G0/0/0 of RTA.
- * RTA forwards the packet to HostC:
- * Once HostA sends the packet to RTA (using G0/0/0's MAC), RTA will route it to the correct network segment and send it to HostC through G0/0/1.

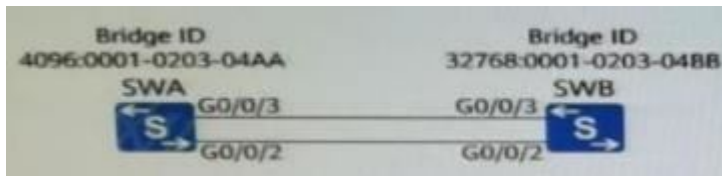
Why the Other Options Are Incorrect:

- * Option A (HostC) - Incorrect:
- * HostA does not send an ARP request for HostC because HostC is in a different subnet.
- * Option B (G0/0/1 of RTA) - Incorrect:
- * HostA only communicates with its directly connected gateway (G0/0/0), not G0/0/1.
- * Option C (SWA) - Incorrect:
- * Switches (SWA, SWB) operate at Layer 2 and do not require ARP.

Final Answer: D (G0/0/0 of RTA)

NEW QUESTION: 229

The two switches shown in the figure below have both enabled the STP protocol, which port will eventually be in the Blocking state? ()



A. D. G0/0/3 port of STA

B. C. G0/0/2 port of STA

C. STB's G0/0/3 port

Answer: B ([LEAVE A REPLY](#))

NEW QUESTION: 230

The function of OSPF's hello message is ().

A. Neighbor Discovery

B. Synchronize router LSDB

C. Update LSA information

D. Maintain neighbor relations

Answer: A,D ([LEAVE A REPLY](#))

NEW QUESTION: 231

Refer to the following configuration of a switch interface. Which of the following statements is false?

```
interface GigabitEthernet0/0/1
```

```
port link-type trunk
```

```
port trunk pvid vlan 200
```

```
port trunk allow-pass vlan 100
```

A. If the VLAN tag carried in a data frame is 100, the switch removes the VLAN tag before sending the data frame.

B. If the interface receives data frames without VLAN tags, the switch needs to tag the data frames with VLAN 200.

C. The interface cannot send data frames tagged with VLAN 200.

D. The link type of the interface is trunk.

Answer: A ([LEAVE A REPLY](#))

Detailed Explanation: In trunk mode, the interface can forward frames tagged with VLANs specified in the allow-pass list (here, VLAN 100) without removing tags. However, if an untagged frame is received, it is assigned to the PVID (here, VLAN 200). This configuration allows both tagged and untagged traffic, with the PVID determining the VLAN for untagged frames.

NEW QUESTION: 232

Refer to the graphic, after the ping 10.1.1.2 command is executed on R1, LSW1 receives a tagged data frame from VLAN 10 on LSW2.



```
[R1]interface GigabitEthernet0/0/0
[R1-GigabitEthernet0/0/0]ip address 10.1.1.1 255.255.255.0
#
[LSW1]interface GigabitEthernet0/0/1
[LSW1-GigabitEthernet0/0/1]port hybrid untagged vlan 10 20
[LSW1-GigabitEthernet0/0/1]port hybrid pvid vlan 10
[LSW1]interface GigabitEthernet0/0/2
[LSW1-GigabitEthernet0/0/2]port link-type trunk
[LSW1-GigabitEthernet0/0/2]port trunk allow-pass vlan 10 20
#
```

```
[LSW2]interface GigabitEthernet0/0/2
[LSW2-GigabitEthernet0/0/2]port link-type trunk
[LSW2-GigabitEthernet0/0/2]port trunk allow-pass vlan 10 20
[LSW2]interface vlanif 10
[LSW2-Vlanif10]ip address 10.1.1.2 255.255.255.0
```

- A. TRUE
- B. FALSE

Answer: (SHOW ANSWER)

Comprehensive Explanation: In this configuration, LSW1 and LSW2 have trunk links that allow VLAN 10 to pass between them. When a ping is sent from R1, the frame is tagged with VLAN 10 on LSW2, and this tagged frame is forwarded to LSW1. Since the trunk allows VLAN 10, the tagged data frame is successfully received and processed by LSW1.

NEW QUESTION: 233

In the broadcast network as shown in the figure, OSPF runs on four routers. And in the same are a. The same network segment. SPF will automatically elect one DR and multiple BDRs to achieve a better backup effect. ()(True or False)



- A. False
- B. True

Answer: ([SHOW ANSWER](#))

NEW QUESTION: 234

Which version of the SNMP protocol below supports encryption features?

- A. SNMPv2c
- B. SNMPv2
- C. SNMPv3
- D. SNMPv1

Answer: C ([LEAVE A REPLY](#))

NEW QUESTION: 235

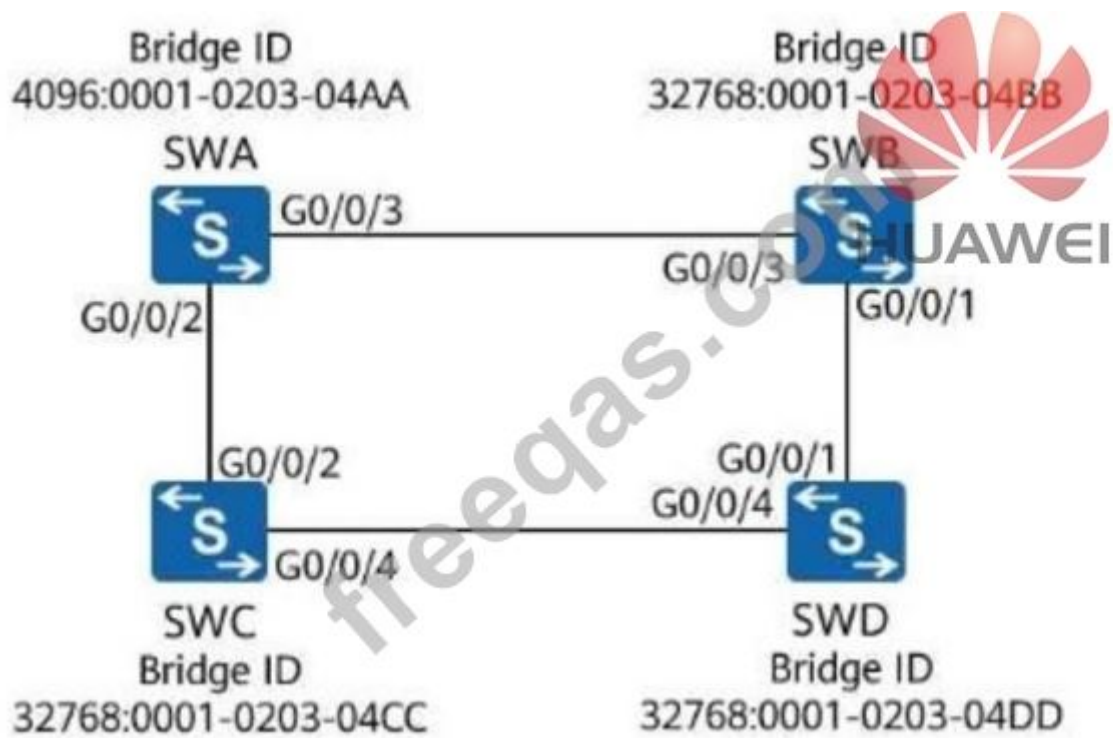
As shown in the figure, if host A has the ARP cache of host B, host A can ping host B.

- A. True
- B. False

Answer: ([SHOW ANSWER](#))

NEW QUESTION: 236

As shown in the figure, all switches run STP. Assume that the path cost of all ports is 200. What is the root path cost contained in the configuration BPDU received by G0/0/4 on SWD?



- A. 600
- B. 400
- C. 200
- D. 0

Answer: A ([LEAVE A REPLY](#))

NEW QUESTION: 237

The network as shown in the figure.

Which of the following configurations can realize that Host A cannot access the HTTP service of Host B.

Host B cannot access the FTP service of Host A? () (Multiple Choice Questions)



- A. acl number 3000

Rule

5

Deny tcp source 100.0.13.0 0.0.0.255 destination 100.0.12.0.0.255

Destination eq www

#

Acl number 3001

Rule

```
5 deny tcp source 100.0.12.0 0.0.0.255 destination 100.0.13.0.0.255
Destination eq ftp
```

```
#
```

```
Interface GigabitEthernet0/0/1
```

```
Traffic-filter inbound acl 3000
```

```
#
```

```
Interface GigabitEthernet0/0/2
```

```
Traffic-filter inbound acl 3001
```

```
#
```

```
B. acl number 3000
```

```
Rule
```

```
5
```

```
Deny tcp source 100.0.13.0 0.0.0.255 destination 100.0.12.0.0.255
```

```
Destination eq www
```

```
#
```

```
Acl number 3001
```

```
Rule
```

```
5 deny tcp source 100.0.12.0 0.0.0.255 destination 100.0.13.0.0.255
```

```
Destination eq ftp
```

```
#
```

```
Interface GigabitEthernet0/0/1
```

```
Traffic-filter inbound acl 3000
```

```
#
```

```
Interface GigabitEthernet0/0/2
```

```
Traffic-filter inbound acl 3001
```

```
C. acl number 3000
```

```
Rule 5 deny tcp source 100.0.12.0 0.0.0.255 source-port eq www destination Rule
```

```
5 deny tcp source 100.0.13.0 0.0.0.255 source-port eq ftp destination
```

```
#
```

```
Interface GigabitEthernet0/0/1
```

```
Traffic-filter inbound acl 3000
```

```
#
```

```
Interface GigabitEthernet0/0/2
```

```
Traffic-filter inbound acl 3001
```

```
#
```

```
D. acl number 3000
```

```
Rule
```

```
5
```

```
Deny
```

```
Tcp
```

```
Source
```

```
#
Acl number 3001
Rule
5 deny top source 100.0.13.0 0.0.0.255 source-port eq ftp destination
#
Interface GigabitEthernet0/0/1
Traffic-filter inbound acl 3000
#
Interface GigabitEthernet0/0/2
Traffic-filter inbound acl 3001
#
```

Answer: A,B ([LEAVE A REPLY](#))

NEW QUESTION: 238

What is the data link layer MAC address of the VAP on the AP in the WLAN?

- A. ESS
- B. SSID
- C. BSSID
- D. BSS

Answer: ([SHOW ANSWER](#))

NEW QUESTION: 239

As shown in the figure. If host A has the ARP cache table of host B, then host A can ping host B. ()
(True or False)



- A. False
- B. True

Answer: ([SHOW ANSWER](#))

NEW QUESTION: 240

What is the role of link aggregation?

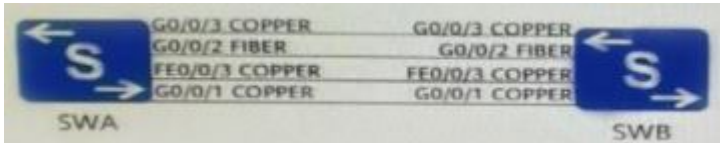
- A. Realize load sharing

- B. Increase bandwidth
- C. Facilitate analysis of data
- D. Improve network reliability

Answer: A,B,D ([LEAVE A REPLY](#))

NEW QUESTION: 241

The network shown in the figure below. Two switches are connected by four links. CUPPER refers to electrical interface and FIBER refers to optical interface. Then which two interfaces can realize link aggregation? () (Single-choice question)



- A. G0/0/2 and G0/0/1
- B. G0/0/3 and FE0/0/3
- C. G0/0/2 and FE0/0/3
- D. G0/0/3 and G0/0/2

Answer: D ([LEAVE A REPLY](#))

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NEW QUESTION: 242

The DHCP OFFER message can carry a DNS address, but it can only carry one DNS address.

- A. True
- B. False

Answer: B ([LEAVE A REPLY](#))

NEW QUESTION: 243

When using FTP for file transfer, how many TCP connections will be established?

- A. 1
- B. 3
- C. 4
- D. 2

Answer: D ([LEAVE A REPLY](#))

NEW QUESTION: 244

The static MAC. address table will not be lost after the system restarts ()

- A. False
- B. True

Answer: B ([LEAVE A REPLY](#))

NEW QUESTION: 245

The output information of a certain router is shown in the figure. Which of the following statements are correct? () (Multiple Choice Questions)

```
OSPF Process 1 with Router ID 10.0.1.1
  Interfaces

Area: 0.0.0.0          (NPLS TE not enabled)

Interface: 10.0.12.1 (GigabitEthernet0/0/0)
Cost: 1      State: BDR      Type: Broadcast      MTU: 1500
Priority: 1
Designated Router: 10.0.12.2
Backup Designated Router: 10.0.12.1
Timers: Hello 10, Dead 40, Poll 120, Retransmit 5, Transmit Delay
IO Statistics
  Type      Input      Output
  Hello     66         65
  DR Description
  Link-State Advertisement
  Link-State Request
  Link-State Request Acknowledgment
  Link-State Update
  ALLSPY GEN
  ALLDR GEN
  OpenLSR
  Hello
```

- A. The DR priority of this routing interface is 10
- B. This router is BDR
- C. The Router ID of the router is 10.0.1.1
- D. The cost value of this interface is 1

Answer: B,C,D ([LEAVE A REPLY](#))

NEW QUESTION: 246

The priority of a static routing protocol cannot be manually specified.

- A. True
- B. False

Answer: ([SHOW ANSWER](#))

NEW QUESTION: 247

The output information of the router is shown in the figure. Which of the following statements is wrong? () (Single-choice question)

```

[SW]display ip interface Ethernet0/0/0
Ethernet0/0/0 current state: UP
Line protocol current state: UP
The Maximum Transmit Unit is 1500 bytes
input packets : 3645, bytes : 287488, multicasts : 3590
output packets : 3715, bytes : 294096, multicasts : 3654
Directed-broadcast packets:
  received packets:
  forwarded packets:
  sent packets:
  ARP packet input number: 20, dropped packets: 0
  Request packet: 13
  Reply packet: 16
  Unknown packet: 0
Internet Address is 10.0.12.1/24
Broadcast address:

```

- A. The physical link of the Ethernet0/0/0 interface is normal
- B. The broadcast address corresponding to the Ethernet0/0/0 interface is 10.0.12.255
- C. Ethernet (The IP address of the /0/0 interface is 10.0.12.1/24
- D. The MTU value of the Ethernet0/0/0 interface is 1480

Answer: D (LEAVE A REPLY)

NEW QUESTION: 248

A switch receives a unicast data frame with a VLAN tag but cannot find the destination MAC address of the data frame in its MAC address table. In this case, which action will the switch take?

- A. The switch broadcasts the data frame on all interfaces.
- B. The switch broadcasts the data frame on all interfaces (except that on which it was received) in the VLAN to which the data frame belongs.
- C. The switch discards the data frame.
- D. The switch broadcasts the data frame on all access interfaces.

Answer: B (LEAVE A REPLY)

* Switch Forwarding Behavior:

* If the destination MAC is not found in the MAC address table, the switch floods the frame.

* Broadcasting Within VLANs:

* VLAN tagging ensures the frame remains within its designated VLAN.

* The frame is not sent to all interfaces but only within the VLAN.

* Why Other Options Are Incorrect:

* A: Does not consider VLAN segmentation.

* C: Switches do not discard unknown unicast frames unless configured to do so.

* D: Includes access interfaces only, but flooding happens on all VLAN interfaces.

* Conclusion:

* The switch floods the frame within the VLAN, making the correct answer B.

References: HCIA-Datacom V1.0 Certification Guide, Chapter 4: Switch Forwarding Mechanisms.

NEW QUESTION: 249

Trunk port can allow multiple vlans to pass, including vlan 4096.

A. True

B. False

Answer: B (LEAVE A REPLY)

NEW QUESTION: 250

What level of encapsulation format does the PPP protocol define in the OSI reference model?

- A. Network layer
- B. Presentation layer
- C. Application layer
- D. Data link layer

Answer: D (LEAVE A REPLY)

NEW QUESTION: 251

(What is the main function of a dynamic routing protocol?)

- A. Generate an IP address.
- B. Manage routers.
- C. Generate a routing table.
- D. Control the status of router interfaces.

Answer: C (LEAVE A REPLY)

* Dynamic Routing Protocol Purpose: A dynamic routing protocol's primary function is to dynamically generate and maintain routing tables by learning and sharing routing information between routers in real time. This ensures efficient path selection and adaptation to network changes.

* Analysis of Options:

* Option A: "Generate an IP address" is unrelated to routing protocols; IP address assignment is handled by DHCP or manual configuration.

* Option B: "Manage routers" is inaccurate, as dynamic routing protocols do not manage router hardware or administrative tasks.

* Option C: "Generate a routing table" is correct because routing protocols dynamically compute and update routing tables based on network topology changes.

* Option D: "Control the status of router interfaces" refers to interface management, which is not a function of dynamic routing protocols.

* Correct answer: The main function of a dynamic routing protocol is C (Generate a routing table).

NEW QUESTION: 252

What identifies the coverage area of an AP in a WLAN? ()

- A. ESS
- B. SSID
- C. BSS
- D. BSSID

Answer: D (LEAVE A REPLY)

NEW QUESTION: 253

(Refer to the display startup command output shown in the figure on an AR2200 router. Which of the following statements about the command output is false?)

<Huawei>display startup

MainBoard:

Startup system software: sdl:/ar2220-v200r003c00spc200.cc
Next startup system software: sdl:/ar222b-v200r003c00spc200.cc
Backup system software for next startup: null
Startup saved-configuration file: null
Next startup saved-configuration file: null
Startup license file: null
Next startup license file: null
Startup patch package: null
Next startup patch package: null
Startup voice-files: null
Next startup voice-files: null

- A. The system file for next startup cannot be modified.
- B. The startup system software <startup-software-name> command can be used to modify the system software for next startup.
- C. The running configuration file is not saved.
- D. The system file used for the current startup is ar2220-v200r003c00spc200.cc.

Answer: (SHOW ANSWER)

* Command Output Overview:

* The command display startup is used to check the configuration of the startup system software, configuration files, license files, and other related settings on Huawei routers. The output in this case provides details about:

* The current system software (ar2220-v200r003c00spc200.cc).

* The next startup system software (ar222b-v200r003c00spc200.cc).

* Backup and saved configuration files, which are not defined (null).

* Analysis of Options:

* Option A: "The system file for next startup cannot be modified." This statement is false because the system file for the next startup can be modified using the startup system-software command.

The file path for the next startup system software (ar222b-v200r003c00spc200.cc) indicates that it has been configured and can be changed by the administrator. The command syntax is supported as per Huawei's documentation.

* Option B: "The startup system software <startup-software-name> command can be used to modify the system software for next startup." This is true and matches the functionality provided by Huawei's routers. The command allows administrators to specify the software package to be used at the next system reboot.

* Option C: "The running configuration file is not saved." This is true as the Startup saved-configuration file is listed as null, meaning that no configuration file has been saved for startup. Saving the running configuration is necessary to ensure settings persist after a reboot.

* Option D: "The system file used for the current startup is ar2220-v200r003c00spc200.cc." This is true as per the output under Startup system software, which confirms the system file used in the current boot process.

* Correct Statement Selection:Based on the analysis, the statement "The system file for next startup cannot be modified" is false. This matches the system's behavior, where administrators are allowed to modify the next startup file using relevant commands.

* References:

* Huawei HCIA-Datacom V1.0 Training Material and Lab Guide.

* Command-line operations from Huawei routers, as documented in the training materials and lab environments.

NEW QUESTION: 254

Which of the following features does the OSPF protocol have? (*)

- A. Calculate the shortest path based on the number of hops
- B. Trigger update
- C. Support area division
- D. Prone to routing loops

Answer: B,C ([LEAVE A REPLY](#))

NEW QUESTION: 255

(The IP addresses of VLANIF interfaces on the same switch must be different.)

- A. TRUE
- B. FALSE

Answer: A ([LEAVE A REPLY](#))

* IP Address Uniqueness on VLANIF Interfaces:Each VLANIF interface represents a different logical interface, often tied to distinct subnets. IP addresses for VLANIF interfaces must be unique on the same switch to prevent address conflicts and routing issues.

* Correct answer:TRUE. The IP addresses of VLANIF interfaces on the same switch must be different.

NEW QUESTION: 256

The mac address of the existing switch is shown in the figure. Which of the following statements is correct ()? (Multiple Choice Questions)



- A. When the switch restarts, the mac address learned by port Eth0/0/3 needs to be re-learned
- B. The source mac address learned from the port is 5489-9811-0b49. The data frame with the destination mac address 5489-989d-1d30 is forwarded from the Eth0/0/2 port
- C. When the switch restarts, the mac address learned by port Eth0/0/2 does not need to be relearned
- D. The data frame with the source mac address of 5489-9885-18a8 and the destination mac address of 5489-989d-1d30 learned from the port is forwarded from the Eth0/0/1 port

Answer: D (LEAVE A REPLY)

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NEW QUESTION: 257

If the Length/Type of an Ethernet data frame is equal to 0x8100, what might be the payload of this data frame?

- A. ARP packet
- B. ICMP message
- C. UDP data
- D. TCP data segment

Answer: A,B,C,D (LEAVE A REPLY)

NEW QUESTION: 258

As shown in the figure below. Host A and Host B cannot communicate. ()(True or False)



- A. False
- B. True

Answer: (SHOW ANSWER)

NEW QUESTION: 259

When using the FTP protocol to upgrade the router software, the transmission mode should be selected ()

- A. Binary mode
- B. Text mode
- C. Byte mode
- D. Stream byte mode

Answer: ([SHOW ANSWER](#))

NEW QUESTION: 260

A routing entry contains multiple fields. Which of the following statements about these fields is false?

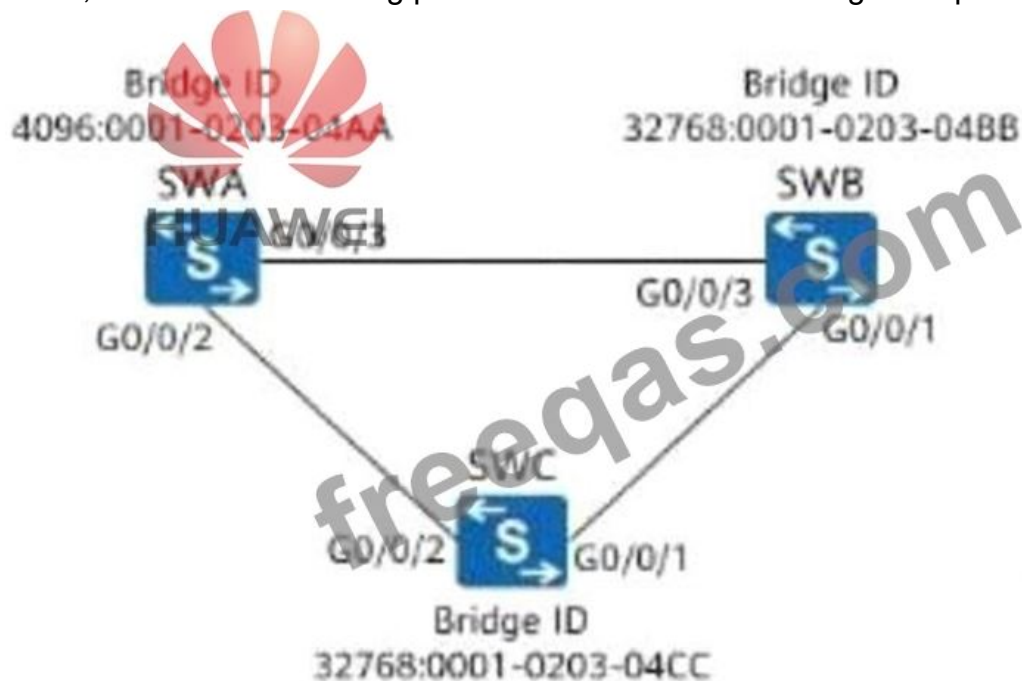
- A. Pre: indicates the preference value of a routing protocol.
- B. NextHop: indicates the address of the local interface corresponding to a route.
- C. Proto: indicates the source of a route.
- D. Destination/Mask: indicates the address and mask length of the destination network or host.

Answer: B ([LEAVE A REPLY](#))

Explanation:

NEW QUESTION: 261

On the network shown in the following figure, assuming that SWA, SWB, and SWC retain factory defaults, which of the following ports will be selected as a designated port?



- A. G0/0/3 on SWA
- B. G0/0/1 on SWB
- C. G0/0/1 on SWC
- D. G0/0/2 on SWC

Answer: A ([LEAVE A REPLY](#))

NEW QUESTION: 262

The configuration information of a certain port of the switch is shown in the figure. Which of the following statements is wrong?

- A. The port type is Trunk type
- B. If the VLAN TAG carried in the data frame is 100, the switch will strip off the VLAN TAG and send it out
- C. This port cannot send data frames carrying VLAN TAG 200
- D. If the port receives data frames without VLAN TAG, the switch needs to add VLAN TAG 200

Answer: B ([LEAVE A REPLY](#))

NEW QUESTION: 263

When the host accesses the web service of the server, the value of the "Protocol" field at the network layer is 6.

- A. TRUE
- B. FALSE

Answer: ([SHOW ANSWER](#)**)**

NEW QUESTION: 264

Which of the following is not a characteristic of small campus networks?

- A. Simple network requirements
- B. Wide coverage
- C. Simple network architecture
- D. Small number of users

Answer: B ([LEAVE A REPLY](#))

Detailed Explanation: Small campus networks are characterized by simple architecture, limited user counts, and straightforward network requirements. Wide coverage is typically associated with larger campus or enterprise networks. (Reference: HCIA-Datacom Training Material, Campus Network Characteristics)

NEW QUESTION: 265

After a switch restarts, static MAC address entries saved on the switch remain in the MAC address table.

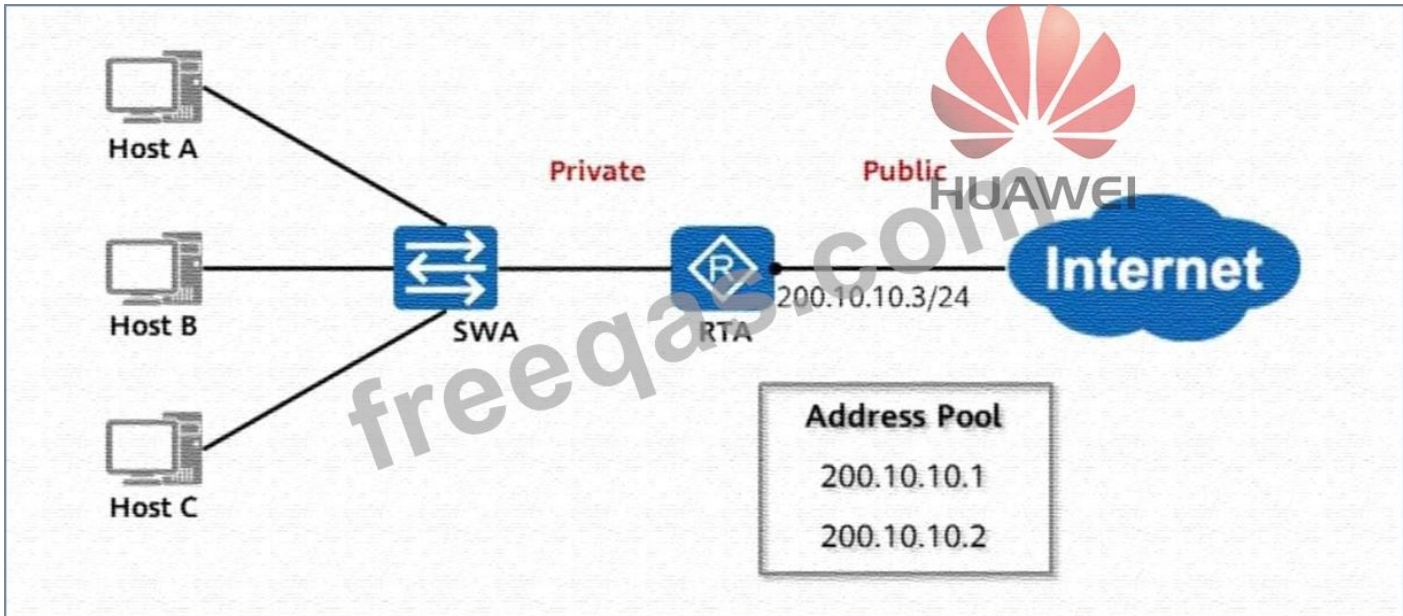
- A. TRUE
- B. FALSE

Answer: A ([LEAVE A REPLY](#))

Detailed Explanation: Static MAC address entries are manually configured and stored in the switch's configuration file, making them persistent across reboots. These entries remain in the MAC address table after a restart, unlike dynamic entries, which are lost. (Reference: HCIA-Datacom Training Material, MAC Address Table Types)

NEW QUESTION: 266

As shown in the figure, RTA uses NAT and has an address pool configured to implement many-to-many non-NAPT address translation, so that hosts on the private network can access the public network. Assume that the address pool has only two public IP addresses, which are translated for Host A and Host B. If Host C wants to access the public network, which of the following statements is true?



- A. All hosts use public IP addresses in turn and can access the public network.
- B. No public IP address is assigned to Host C, and Host C cannot access the public network.
- C. RTA performs NAT based on the source port number of Host C, and Host C can access the public network.
- D. RTA assigns an interface address (200.10.10.3) to Host C, and Host C can access the public network.

Answer: B (LEAVE A REPLY)

In a many-to-many non-NAPT (Network Address Port Translation) configuration, each private host requires a unique public IP address from the address pool. If only two public IP addresses are available and both are already in use by Host A and Host B, no IP will be available for Host C, preventing it from accessing the public network.

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