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Huawei Certified Network Associate- Huawei Networking Technology and Device

Exam A

QUESTION 1

Which of the following mechanisms are used for flow control? (Choose three)

A. Acknowledgement
B. Buffering

C. Source quench messages
D. Windowing

Correct Answer: BCD
Section: (none)
Explanation

Explanation/Reference:

QUESTION 2

```
Source Destination Protocol Info
10.0.12.1 10.0.12.2 TCP 50190 > telnet [SYN] Seq=0 Win=8192 Len=0 MSS=1460
10.0.12.2 10.0.12.1 TCP telnet> 50190 [SYN, ACK] Seq=0 Ack=1 Win=8192 Len=0
MSS=1460
10.0.12.1 10.0.12.2 TCP 50190 > telnet [ACK] Seq=1 Ack=1 Win=8192 Len=0
```

Refer to the capture output. The administrator has captured three packets in the network. Which statement regarding the captured packets is incorrect?

A. This packets represent a TCP three-way handshake process.

Correct Answer:
Section: (none)
Explanation

Explanation/Reference:
B. 10.0.12.1 is the telnet server, while 10.0.12.2 is the telnet client.
C. The three packets contain no application data.
D. 10.0.12.1 uses port 50190 to buid the telnet connection.

        B

QUESTION 3
An Ethernet frame is captured by network protocol analyzer tool and the value of Type/Length field is 0x0800.

Which of the following statements about the frame are correct? (Choose two)

A. The frame structure of the frame is Ethernet_II
B. The frame structure of the frame is 802.3
C. Its upper layer protocol is IP
D. Its upper layer protocol is IPX

Correct Answer: AC
Section: (none)
Explanation

Explanation/Reference:

QUESTION 4
Which of the following descriptions regarding the TTL field of the IP packet is correct?

A. The TTL defines how many packets the source can send.
B. The TTL defines the duration during which the source can send packets.
C. The TTL value will decrement by 1 each time the packet is routed.

Explanation/Reference:

D. The TTL value will increment by 1 each time the packet is routed.

Correct Answer: C
Section: (none)
Explanation
QUESTION 5
Which of the following statements are correct about TTL field in IP packet? (Choose two)

A. The maximum value of TTL is 65535.
B. Normally, it's impossible for a router to receive a packet whose TTL is zero.
C. The main purpose of TTL is to prevent IP packets from circulating endlessly in a network which can consume a lot of bandwidth.
D. TTL value will be decremented as a packet is passed through the network devices such as hub, LAN switch and router.

Correct Answer: BC
Section: (none)
Explanation

Explanation/Reference:

QUESTION 6
In the case of Huawei router, what is the "-i" parameter in a Ping command issued on a VRP operating system used to set?

A. Interface for sending an Echo Request packet
B. Source IP address for sending an Echo Request packet
C. Interface for receiving an Echo Reply packet
D. Destination IP address for receiving an Echo Reply packet

Correct Answer: A
Section: (none)
Explanation

Explanation/Reference:

QUESTION 7

Correct Answer:
Section: (none)
Explanation

Explanation/Reference:
To provide the information about the IP addresses that a user packet traverses along the path to the destination, which of the following does Tracert record in each expired ICMP TTL packet?

A. Destination port
B. Source port
C. Destination IP address
D. Source IP address

               D

QUESTION 8
Which of the following statements regarding the verification of IP connectivity are false? (Choose three)

A. The ping 127.0.0.1 command can be used to check whether the network cable is correctly inserted into the host's Ethernet port.
B. The ping command with the host IP address as the destination can be used to verify that the TCP/IP protocol suite is functioning correctly.
C. The ping command can be used to verify connectivity between the host and the local gateway.
D. The command "ipconfig /release" can be used to check connectivity problems between the host and the local gateway.

Correct Answer: ABD
Section: (none)
Explanation

Explanation/Reference:

QUESTION 9
A network administrator uses the ping command to check for points of failure in the network. Which

protocols will be used during this process? (Choose two)

Explanation/Reference:
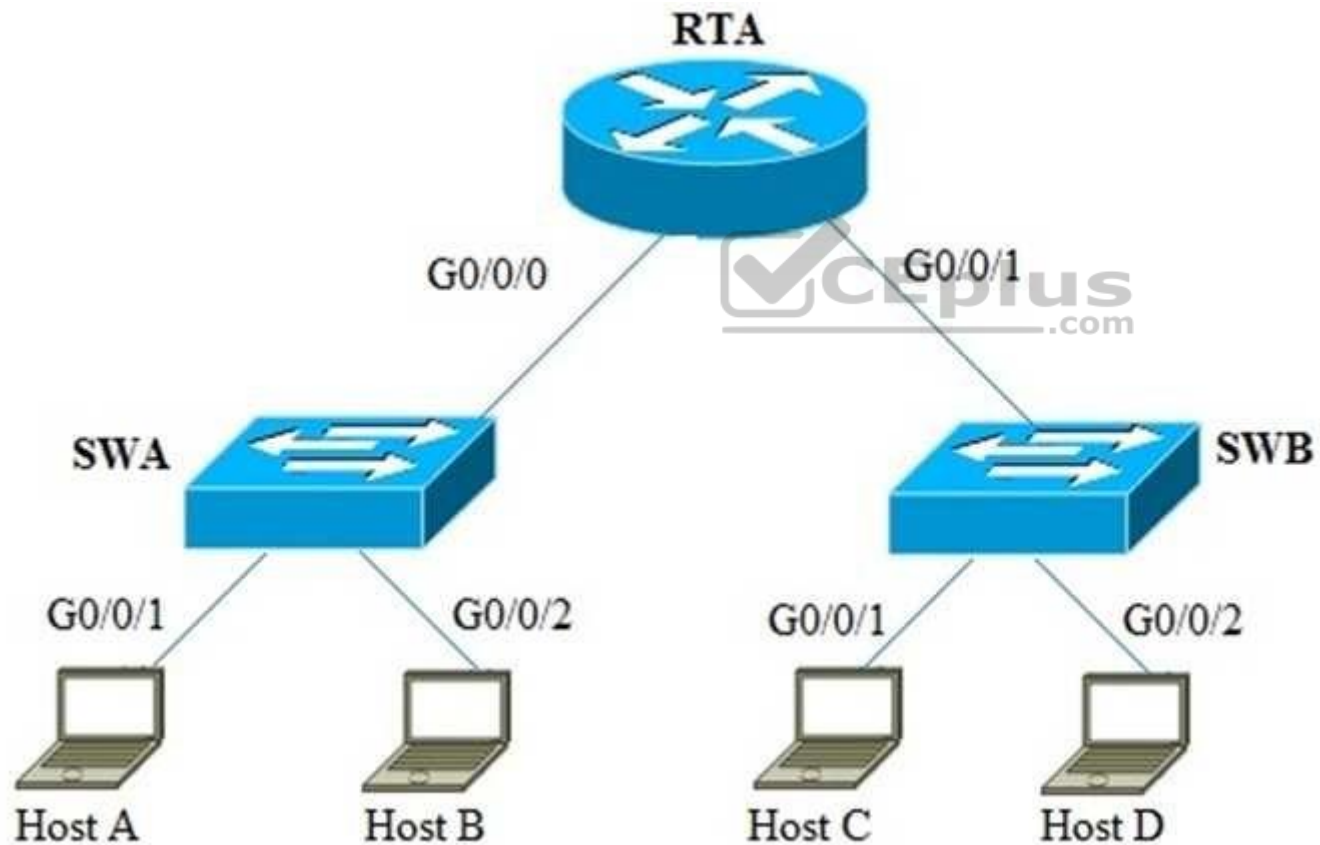
A. ICMP

B. TCP

C. ARP

D. UDP

Correct Answer: AC
Section: (none)
Explanation
QUESTION 10
Host A wishes to send data to host C, and generates an ARP request to obtain the destination MAC address.

RTA

G0/0/0   G0/0/1

SWA   **SWB**

G0/0/1   G0/0/2   G0/0/1   G0/0/2

Host A   Host B   Host C   Host D

Correct Answer:
Section: (none)
Explanation

Explanation/Reference:
Which statement is true?

A. The destination IP address of the ARP request is Host C.
B. The destination MAC address of this ARP request is Host C.
C. The destination IP address for the ARP request is a broadcast IP address.
D. The destination MAC address of this frame is the MAC address of G0/0/0 on RTA.

       A

QUESTION 11
An ARP request is sent by host A to obtain the destination MAC address of host D.

Which statement is true about regarding the ARP reply?

A. The destination MAC address of this frame is the MAC address of Switch A.
B. The destination IP address of this packet is the VLANIF1 IP address of Switch A.
C. The destination MAC address of this frame is the MAC address of Host A.
D. The destination IP address of this packet is a broadcast IP address.

Correct Answer: C
Section: (none)
Explanation

Explanation/Reference:

QUESTION 12
Which of the following applications can be used to detect the path along which the data packets are transmitted from the source to the destination?

A. Route
Explanation/Reference:

B. Netstat
C. Tracert
D. Send

Correct Answer: C
Section: (none)
Explanation
QUESTION 13
How many probe packets are sent for each TTL value by default when "tracert" is used to detect the path along which packet is sent from source to destination?

A. 3
B. 4
C. 6
D. 8

Correct Answer: A
Section: (none)
Explanation

Explanation/Reference:

QUESTION 14
Which of the following types can ICMP packets be classified into? (Choose two)

A. ICMP transport packet
B. ICMP error reporting packet
C. ICMP query packet
D. ICMP application packet

Correct Answer: BC
Section: (none)
Explanation

Explanation/Reference:

Correct Answer:
Section: (none)
Explanation

Explanation/Reference:
QUESTION 15
On 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. -a

B. -s

C. -d

D. -n

Explanation/Reference:

Correct Answer: A
Section: (none)
Explanation

Explanation/Reference:

QUESTION 16

A router functioning as a Proxy receives an ARP request packet, but finds that the destination address in the packet is not intended for itself. In this case, what will the router do? (Choose two)

A. Discard the packet.
B. Check for a route that matches the destination address.
C. Forward its MAC address to the ARP request sender after finding that a route to the destination address is available.
D. Broadcast the ARP request packet.

Correct Answer: BC
Section: (none)
Explanation

Explanation/Reference:

QUESTION 17

Two end stations in a point-to-point network perform address resolution.

Which of the following statements is correct?

A. The destination address of an ARP request from each station will be a unicast MAC address.
B. The destination address of an ARP request from each station will be a broadcast IP address.
C. The destination address of an ARP reply from each station will be a unicast MAC address.
D. The destination address of an ARP reply from each station will be a broadcast MAC address.

Correct Answer: C
Section: (none)
Explanation

Explanation/Reference:

QUESTION 18
What will the destination MAC address be at the moment a frame is transmitted by the host, when the router is the IP destination?

A. The MAC address of the switch.
B. The MAC address of the router interface G0/0/0.
C. The MAC address of the host.
D. The destination MAC address will be a broadcast MAC address.

Correct Answer: D
Section: (none)
Explanation

Explanation/Reference:

QUESTION 19
Which of the following statements about gratuitous ARP packets are true? (Choose two)

A. A system can determine whether conflicting IP addresses are used by sending a gratuitous ARP packet
B. A gratuitous ARP packet uses the same format as an ARP request packet.
C. A gratuitous ARP packet can help to update an IP address.
D. A gratuitous ARP packet uses the same format as an ARP reply packet.

Correct Answer: AB
Section: (none)
Explanation

Explanation/Reference:

QUESTION 20
Host A has been connected to switch A and configured with an IP address.

When Host A initially forwards a frame, what action will be taken by Switch A?

A. Switch A will drop this frame.
B. Switch A will attempt to flood the frame to all ports except for the G0/0/1 interface.
C. Switch A will forward the frame via ports G0/0/1, G0/0/2 and G0/0/3.

D. Switch will receive this frame before returning the frame to G0/0/1.

Correct Answer: B
Section: (none)
Explanation

Explanation/Reference:

QUESTION 21
A server is linked to port interface G0/0/1 of a switch. The administrator wishes to allow only this server to be linked to this interface on the switch.

Which method can be used to achieve this?

A. Configure a static ARP entry using the server's IP address and MAC address in the switch.
B. Configure a static MAC address binding entry of the server's MAC address and the interface in the switch.
C. Configure the default gateway of the switch to be the same as the server's IP address.
D. It is not possible to enable a single device to be associated with an interface.

Correct Answer: B
Section: (none)
Explanation

Explanation/Reference:

QUESTION 22
An administrator connects two switches together in a local enterprise network. The ports of one switch support Fast Ethernet, while the ports of the other switch support Gigabit Ethernet. Hosts connected to one switch are able to communicate, however communication between the two switches fails.

What is the possible reason for this?

A. The ports have disabled auto-negotiation.
B. One port is supporting auto-negotiation, while auto-negotiation is disabled on the port of the other switch.
C. The port of one switch is operating using half duplex mode, while the port of the other switch is using full duplex mode.
D. A Fast Ethernet port cannot communicate directly with a Gigabit Ethernet port.

Correct Answer: A
Section: (none)
Explanation

Explanation/Reference:

QUESTION 23
A layer 2 LAN switch generates CAM table entries according to the ( ) of the received frame.

A. Source MAC address
B. Destination MAC address
C. Source IP address
D. Destination IP address

Correct Answer: A
Section: (none)
Explanation

Explanation/Reference:

QUESTION 24
Which of the following statements about collision domains and broadcast domains are correct? (Choose three)

A. Devices connected to the same hub form a collision domain
B. Devices connected to the same hub form a broadcast domain
C. Devices connected to the same bridge form a collision domain
D. Devices connected to the same bridge form a broadcast domain
E. Devices connected to the same router form a broadcast domain

Correct Answer: ABD
Section: (none)
Explanation

Explanation/Reference:

QUESTION 25
Which of the following statements regarding layer-2 switch is incorrect?

A. The switch learns MAC addresses automatically.
B. The layer-3 header is modified before the received packet is transmitted.
C. The layer-2 header is modified before the received packet is transmitted.
D. The layer-2 LAN switch operates at data link layer.

Correct Answer: B
Section: (none)
Explanation

Explanation/Reference:

QUESTION 26
```
[R1]display interface GigabitEthernet0/0/0
GigabitEthernet0/0/0 current state : Administratively DOWN
Line protocol current state : DOWN
```

Refer to the display output. What can be determined based on the output of the display command?

A. Interface Gigabit Ethernet 0/0/0 is connected to a wrong cable
B. Interface Gigabit Ethernet 0/0/0 is not associated with an IP address
C. Interface Gigabit Ethernet 0/0/0 is not associated with a dynamically defined route.
D. Interface Gigabit Ethernet 0/0/0 has been manually shut down by an administrator.

Correct Answer: D
Section: (none)
Explanation

Explanation/Reference:

QUESTION 27
Which of the following statements regarding static and dynamic routing is incorrect?

A. The static route can be easily configured and managed on the enterprise network.

B. The use of dynamic routing is more convenient for the administrator to manage the network following network convergence.
C. The static route can automatically recover when a link failure is encountered.

D.

Dynamic routing will use more resources than static routes.

Correct Answer: C
Section: (none)
Explanation

Explanation/Reference:

QUESTION 28
Which of the following are routed protocols? (Choose all that apply.)

A. IP
B. OSPF
C. BGP
D. IPX

Correct Answer: AD
Section: (none)
Explanation

Explanation/Reference:

QUESTION 29

Which of the following statements regarding the routing table are correct? (Choose all that apply.)

A. The next hop in the routing table is redundant because the outgoing interface can be used for packet forwarding.
B. The routes from generated by different protocols have different preferences.
C. The metrics of different routing protocols are comparable.
D. The metrics of different routing protocols are not comparable

Correct Answer: BD
Section: (none)
Explanation

Explanation/Reference:

QUESTION 30
Which of the following commands can be used to display the routing table on a Quidway router?

A. display ip path
B. display ip routing-table
C. display interface
D. display current-configuration

Correct Answer: B
Section: (none)
Explanation

Explanation/Reference:

QUESTION 31
Which of the following entries is not included in the routing table?

A. source address
B. next hop
C. destination address
D. cost

Correct Answer: A

Section: (none)
Explanation

Explanation/Reference:

QUESTION 32
Which of the following problems are caused by routing loops? (Choose three)

A. Slow convergence
B. Packets circulate between routers
C. Router restarting
D. Inconsistency of routing information

Correct Answer: ABD
Section: (none)
Explanation

Explanation/Reference:

QUESTION 33
An administrator wishes to manage the router in the remote branch office, which method can be used?

A. Telnet
B. FTP
C. Console Connection
D. DHCP

Correct Answer: A
Section: (none)
Explanation

Explanation/Reference:

QUESTION 34
The administrator cannot use telnet to manage the AR2200. The administrator is able to verify connectivity to the router and has been informed that other administrators have no difficulties using telnet.

Which statements describe the possible reasons for this problem? (Choose all that apply.)

A. The user's status has been blocked
B. The user's privilege level has been changed to 0.
C. The user has been deleted.
D. The telnet service in the AR2200 router has been disabled.

Correct Answer: AC
Section: (none)
Explanation

Explanation/Reference:

QUESTION 35
A user logged into a VRP supported device through telnet, but when attempting to configure the device, found that he is unable to use the system-view command to enter the system-view.

What are the possible reasons for this? (Choose two)

A. The device's VTY interface only provides permission for some telnet users to run the system-view command.
B. The user's telnet software restricts use of this command.
C. The user's privilege level is lower than the level associated with the system-view command.
D. The system-view command privilege level is lower than the level associated with the user.

Correct Answer: AC
Section: (none)
Explanation

Explanation/Reference:

QUESTION 36
The users who log on the router through Telnet are not permitted to configure IP address.

What is the possible reason?

A. Communication failures occur between the user and the router.
B. The authentication mode of Telnet is set incorrectly.

C. Privilege level of Telnet is set incorrectly.
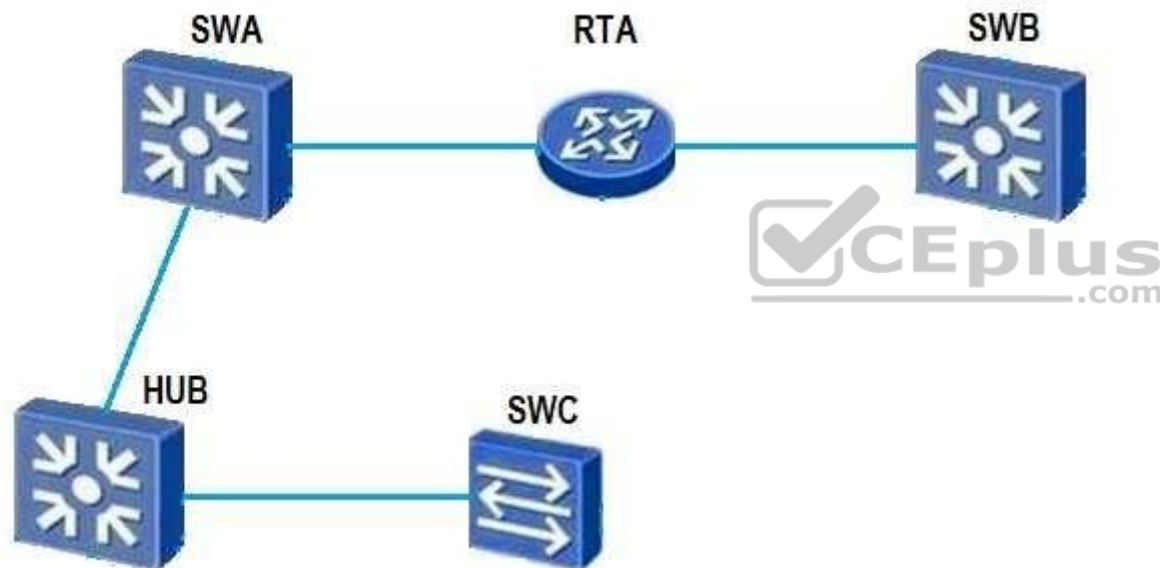D. SNMP parameters are set incorrectly.

Correct Answer: C
Section: (none)
Explanation
Explanation/Reference:

QUESTION 37
Which of the following statements are correct? (Choose two)

A. A single collision domain exists between RTA and SWC.
B. A single broadcast domain exists between SWA and SWB.
C. A single collision domain exists between SWA and SWC.
D. A single broadcast domain exists between SWA and SWC.

Correct Answer: CD

Section: (none)
Explanation

Explanation/Reference:

QUESTION 38
On the interface serial 1/0/1 of RTA, the command "ip address unnumbered interface loopback 0" has been configured.

Which following statements are correct? (Choose two).

A. The IP address of interface serial 1/0/1 is 10.1.1.1/24
B. The IP address of interface serial 1/0/1 is 10.1.1.1/32
C. The route entry 10.1.1.0/24 exists in RTA's routing-table
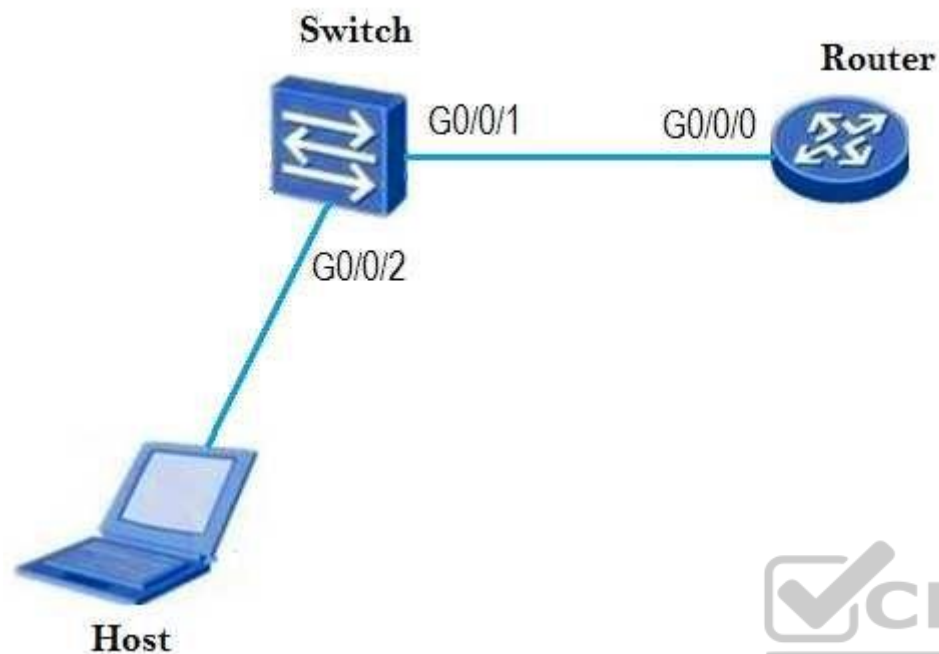D. The route entry 10.1.1.0/24 does not exist in RTA's routing-table

Correct Answer: BD
Section: (none)
Explanation

Explanation/Reference:

QUESTION 39
Refer to the graphic.

The host has a problem establishing a telnet connection with the router attached to interface G0/0/0. Which of the following steps can be used to help the administrator identify the problem? (Choose two)

A. Check whether the host has configured the gateway IP address.
B. Check whether the switch has configured the gateway IP address.
C. Use the ping tool to check connectivity between host and router.
D. Check the telnet server configuration is right on the router.

Correct Answer: CD
Section: (none)
Explanation

Explanation/Reference:

QUESTION 40
On Huawei VRP platform, which of the following can be used to invoke the history command saved by the command line interface? (Choose two)

A. Up cursor key < >
B. Left cursor key < >
C. Ctrl+P
D. Ctrl+U

Correct Answer: AC
Section: (none)
Explanation

Explanation/Reference:

QUESTION 41
Which of the following commands can be used to view the current configurations on a Huawei router?

A. display current-configuration
B. display saved-configuration
C. view saved-configuration
D. show startup-configuration

Correct Answer: A
Section: (none)
Explanation

Explanation/Reference:

QUESTION 42
The administrator wishes to change name of the router. Under which view should the administrator be in order to achieve this?

A. User-view
B. System-view
C. Interface-view
D. Protocol-view

Correct Answer: B
Section: (none)
Explanation

Explanation/Reference:

QUESTION 43
<Huawei> system-view
[Huawei]command-privilege level 3 view user save

Refer to the command output. What is the result of the shown command?

A. The command adjusts the save command of a user to privilege level 3.
B. The command adjusts the save command in the user view to privilege level 3.
C. The command adjusts the user view command privilege level to 3, and saves the configuration.
D. The command adjusts the privilege level of a user to 3, and saves the configuration.

Correct Answer: B
Section: (none)
Explanation

Explanation/Reference:

QUESTION 44
<Huawei>system-view
[Huawei]history-command max-size 20

Refer to the command output. Which statements regarding the shown command are true? (Choose two)

A. The command is used to adjust the size of the history command buffer.
B. The default value of the history command buffer is 5.
C. The command should be configured in the user-interface view.
D. Once configured, commands totaling up to 20 bytes can be saved in the buffer.

Correct Answer: AC

Section: (none)
Explanation

Explanation/Reference:
QUESTION 45
An AR2200 router is required to be reconfigured from scratch. Which steps are needed to achieve this? (Choose all that apply.)

A. Reset the saved configuration.
B. Clear the current configuration.
C. Reboot the AR2200.
D. Assign the configuration file to be used at next startup.

Correct Answer: AC
Section: (none)
Explanation

Explanation/Reference:

QUESTION 46
An administrator has been requested to replace the configuration file of a router in the network. The administrator has been instructed that after logging into the router, he must first permanently erase the current configuration file config.zip from the system.

Which command should he use to achieve this?

A. delete /force config.zip
B. delete /unreserved config.zip
C. reset config.zip
D. clear config.zip

Correct Answer: B
Section: (none)
Explanation

Explanation/Reference:

QUESTION 47

Which of the following commands can switch a view from the system view to the user view?

A. System-view
B. Router
C. Quit
D. User-view

Correct Answer: C
Section: (none)
Explanation

Explanation/Reference:

QUESTION 48
Which of the following storage devices are supported by Huawei router? (Select four)

A. SDRAM
B. NVRAM
C. Flash
D. Hard Disk
E. CF Card

Correct Answer: ABCE
Section: (none)
Explanation

Explanation/Reference:

QUESTION 49
Which of the following storage devices is used to store the startup configuration files in a router?

A. SDRAM
B. NVRAM
C. Flash
D. BootROM

Correct Answer: B
Section: (none)
Explanation
Explanation/Reference:

QUESTION 50
<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]:

Refer to the configuration output. Which of the following statements are true? (Select two answers)

A. A user should enter 'Y' when wishing to clear the saved configuration file.
B. The saved-configuration file that the device starts with can be erased.
C. The saved-configuration will be deleted after typing N
D. The saved-configuration file will be replaced with the current-configuration.

Correct Answer: AB
Section: (none)
Explanation

Explanation/Reference:

QUESTION 51
When a router is powered on, the router reads the configuration file saved in the default save directory to get itself initialized. If the configuration file does not exist in the default save directory, what does the router use to initialize itself?

A. New configuration file
B. Initial configuration file
C. Default parameters
D. Current configuration file

Correct Answer: C
Section: (none)
Explanation

Explanation/Reference:

QUESTION 52

```
<Huawei>display startup
MainBoard:
Startup system software: sd1:/ar2220-v200r003c00spc200.cc
Next startup system software: sd1:/ar2220-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
```

Refer to the display output. Which statement is false?

A. The current configuration file has not been saved.
B. The current startup system software is ar2220-v200r003c00spc200.cc
C. The next startup system software cannot be changed.
D. The next startup system software can be changed by using the "startup system software <startup-softwarename>.cc" command.

Correct Answer: C
Section: (none)
Explanation

Explanation/Reference:

QUESTION 53
<Huawei>
Warning: Auto-Config is working. Before configuring the device, stop Auto-Config. If you perform configurations when Auto-Config is running, the DHCP, routing, DNS, and VTY configurations will be lost. Do you want to stop Auto-Config? [y/n]:

When an administrator first initializes the router, a warning is displayed. Which statement regarding this warning is correct?

A. If Auto-Config is required, the administrator should select 'y'.
B. If Auto-Config is not required, the administrator should select 'n', for which subsequent configuration of the DHCP server, routing, DNS server and VTY user configuration is lost.
C. When a device is started for the first time, the Auto-Config function is active.
D. When a device is started for the first time, the Auto-Config function is inactive.

Correct Answer: C
Section: (none)
Explanation

Explanation/Reference:

QUESTION 54
An AR2200 router in the company network cannot boot. In order to resolve this, the administrator wishes to update the VRP software.

What should he/she do?

A. The administrator should use a console cable to connect the router and host, and directly upgrade the device.
B. The administrator should use FTP to transfer the VRP software, by configuring the AR2200 router as an FTP client.
C. The administrator should use DHCP to boot the AR2200, and then use the AR2200 router as a TFTP client to download the VRP software from the server.
D. The administrator should use the telnet command on the client to remote access the device, and upgrade the VRP software.

Correct Answer: B
Section: (none)
Explanation

Explanation/Reference:

QUESTION 55
<Huawei>

Warning: Auto-Config is working. Before configuring the device, stop Auto-Config. If you perform configurations when Auto-Config is running, the DHCP, routing, DNS, and VTY configurations will be lost. Do you want to stop Auto-Config? [y/n]:

Refer to the output. When the administrator first starts the router, a system notice is displayed, however after rebooting this router, the notice disappeared. What is the reason for this? (Choose all that apply.)

A. This notice only appears during the very first device startup.
B. The administrator has configured the device and saved the configuration, causing the notice to disappear.
C. The administrator selected 'n' and did not save the configuration.
D. The administrator selected 'y' and saved the configuration.

Correct Answer: BD
Section: (none)
Explanation

Explanation/Reference:

QUESTION 56
An end system is unable to communicate with a DHCP server following the startup process.

Which IP address may be used by the client?

A. 0.0.0.0
B. 127.0.0.1
C. 169.254.2.33
D. 255.255.255.255

Correct Answer: C
Section: (none)
Explanation

Explanation/Reference:

QUESTION 57

```
[Huawei]ip pool pool1
Info: It's successful to create an IP address pool.
[Huawei-ip-pool-pool1]network 10.10.10.0 mask 255.255.255.0
[Huawei-ip-pool-pool1]gateway-list 10.10.10.1
```

Refer to the configuration output. The administrator wishes to configure the DHCP server pool in order to assign an IP address to the customer's terminal device.

Which command should be included in the configuration to provide the minimal lease period for IP addresses?

A. dhcp select relay

B. lease day 1
C. lease 24
D. lease 0

Correct Answer: B
Section: (none)
Explanation

Explanation/Reference:

QUESTION 58
A DHCP server has been established in the enterprise network. After the client has obtained an IP address from the DHCP server, the user decided to modify the IP address manually.

In what way may this affect the enterprise network? (Choose two).

A. The client may experience an IP address conflict.
B. The client may access the network normally.
C. The client's interface connection will shutdown.
D. The client will associate with another DHCP server.

Correct Answer: AB
Section: (none)
Explanation

Explanation/Reference:

QUESTION 59
A DHCP server in the enterprise network is being used to allocated IP addresses to hosts. An administrator discovers however that some hosts are obtaining IP addresses outside of the scope of the DHCP server's address pool.

What are the possible reasons for this? (Choose three).

A. Another DHCP server exists in the network and is allocating IP addresses to hosts that happen to be within a closer proximity than the authorized DHCP server.
B. The hosts were unable to discover a DHCP server and therefore generated their own address in the 169.254.0.0 address range.
C. The hosts were unable to discover a DHCP server and therefore generated their own address in the 127.254.0.0 address range.
D. All addresses from the DHCP pool have been assigned.
Correct Answer: ABD
Section: (none)
Explanation

Explanation/Reference:

QUESTION 60
```
Router] ip pool pool1
[Router-ip-pool-pool1] network 10.10.10.0 mask 255.255.255.0
[Router-ip-pool-pool1] gateway-list 10.10.10.1
[Router-ip-pool-pool1] quit
[Router] ip pool pool2
[Router-ip-pool-pool2] network 10.20.20.0 mask 255.255.255.0
[Router-ip-pool-pool2] gateway-list 10.20.20.1
[Router-ip-pool-pool2] quit
[Router] interface GigabitEthernet 0/0/1
[Router-GigabitEthernet0/0/1] ip address 10.10.10.1 24
[Router-GigabitEthernet0/0/1] dhcp select global
```

Refer to the configuration output. Following configuration, a host is connected to the interface Gigabit Ethernet 0/0/1 of the router. Which IP address will the client obtain?

A. An IP address from network 10.10.10.0/24 will be assigned.
B. An IP address from network 10.20.20.0/24 will be assigned.
C. The host will be unable to obtain an IP address.
D. An IP address may be assigned from either 10.10.10.0/24 or 10.20.20.0/24.

Correct Answer: A
Section: (none)
Explanation

Explanation/Reference:

QUESTION 61
The IP addresses of clients in the network are deployed via a DHCP server. When a host reboots, which message will the host first send to the DHCP server?

A. DHCP DISCOVER
B. DHCP REQUEST
C. DHCP OFFER
D. DHCP ACK

Correct Answer: B
Section: (none)
Explanation

Explanation/Reference:

QUESTION 62
A DHCP Unique Identifier (DUID) in DHCPv6 can be configured in VRP using which formats? (Choose two).

A. DUID-LL
B. DUID-LLT
C. DUID-EN
D. DUID-LLC

Correct Answer: AB

Section: (none)
Explanation

Explanation/Reference:

QUESTION 63
Which of the following statements about the information contained in a Database Description packet are true? (Choose three)

A. A Database Description packet contains all information about each LSA.
B. A Database Description packet contains only the header of an LSA.
C. The header of an LSA is the unique identifier of the LSA.
D. The header of an LSA is only a small portion of all the data of the LSA.

Correct Answer: BCD
Section: (none)
Explanation

Explanation/Reference:

QUESTION 64
What is the default authentication mode for the default_admin domain?

A. None
B. Local
C. Radius
D. 802.1X

Correct Answer: B
Section: (none)
Explanation

Explanation/Reference:

QUESTION 65
How many domains can be configured on a Huawei router?

A. 30
B. 31
C. 32
D. 33

Correct Answer: A
Section: (none)
Explanation

Explanation/Reference:

QUESTION 66
An authenticator router has been configured with two domains named "Area1" and "Area2", following which a user is created with the username "huawei" and the password "hello" for authentication. Which domain does this user belongs to?
A. Area1 domain
B. Area2 domain
C. default domain
D. default_admin domain

Correct Answer: C
Section: (none)
Explanation

Explanation/Reference:

QUESTION 67
In order to check if the interface serial 1/0/0 is working in either DCE or DTE mode, command ( ) is used.

A. display mode serial 1/0/0
B. display controller
C. display interface serial 1/0/0
D. display current-config

Correct Answer: C

Explanation/Reference:

QUESTION 68
Which of the following descriptions regarding IPv6 addresses are correct? (Choose two)

A. IPv6 addresses are 64 bits in length.
B. IPv6 addresses are 128 bits in length.
C. IPv6 extension headers are processed in order.
D. IPv6 extension headers are processed randomly.

Correct Answer: BC
Section: (none)
Explanation

Explanation/Reference:

QUESTION 69
Interface G0/0/1 on RTA contains a MAC address of 00e0-fc03-aa73 and is configured with the IPv6 address 2001::2E0:FCFF:FE03:AA73. Which method is most likely to have been used to configure the interface IPv6 address?

A. DHCPv6
B. Auto-link
C. ARP
D. EUI-64

Correct Answer: D
Section: (none)
Explanation

Explanation/Reference:

QUESTION 70

In a small network supporting IPv6, a network administrator wishes implement RIPng.

Which of the following commands should be used to enable this protocol?

A. [RTA-GigabitEthernet0/0/0]ripng 1 enable
B. [RTA]ripng 1 enable
C. <RTA>ripng 1 enable
D. [RTA-ripng-1]ripng 1 enable

Correct Answer: A
Section: (none)
Explanation

Explanation/Reference:

QUESTION 71
In a network supporting IPv6, OSPF no longer supports which feature?
A. multiple areas B.
Router-ID
C. authentication
D. multicast updates

Correct Answer: C
Section: (none)
Explanation

Explanation/Reference:

QUESTION 72
The network administrator has decided to configure link aggregation in the enterprise network.

Which of the following represent advantages of link aggregation? (Choose three)

A. Load balancing.
B. Improved bandwidth.
C. Enhanced reliability.

D. Improved security.

Correct Answer: ABC
Section: (none)
Explanation

Explanation/Reference:

QUESTION 73
In port aggregation, "multiple" ports are aggregated to form a port aggregation group so that all the member ports in the group share the outgoing/incoming load.

At which layer is port aggregation implemented?

A. Physical Layer
B. Data Link Layer
C. Network Layer
D. Transport Layer
Correct Answer: B
Section: (none)
Explanation

Explanation/Reference:

QUESTION 74
What benefits does port aggregation yield? (Choose three)

A. Improves link bandwidth
B. Implements load sharing
C. Improves network reliability
D. Facilitates data copy for analysis

Correct Answer: ABC
Section: (none)
Explanation

Explanation/Reference:

QUESTION 75
What is the maximum number of member interfaces supported by a single Eth-Trunk?

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

Correct Answer: B
Section: (none)
Explanation

Explanation/Reference:

QUESTION 76
The Eth-Trunk frame forwarding mechanism used to prevent changes in the data sequence forwards frames based on which of the following parameters?

A. The same source or destination IP address.
B. The same source or destination MAC address.
C. The same protocol type.
D. The same source or destination port number.

Correct Answer: AB
Section: (none)
Explanation

Explanation/Reference:

QUESTION 77
In Layer 2 mode, the transmission rate of an Eth-Trunk interface is determined by which of the following? (Choose all that apply.)

A. Maximum number of Up member links
B. Minimum number of Up member links
C. Number of Up member interfaces
D. Number of interfaces.

Correct Answer: AC
Section: (none)
Explanation

Explanation/Reference:

QUESTION 78
The network administrator wishes to forward data over an Eth-trunk, however associated member interfaces operate at different rates. In terms of the resulting behavior, which of the following is true?

A. The two switches will not be able to communicate.
B. The higher rate member interfaces may incur packet loss.
C. The Eth-Trunk will work normally.
D. The lower rate member interfaces may incur packet loss.

Correct Answer: D
Section: (none)
Explanation

Explanation/Reference:

QUESTION 79
The network administrator attempts to add interface G0/0/1 on Switch A to Eth-trunk 1, however the command fails.

Which of the following may cause this?

A. The interface is operating in half-duplex mode.
B. The interface has been shutdown.
C. The interface is already associated with another Eth-trunk.
D. The interface is an access port.

Correct Answer: CD
Section: (none)
Explanation

Explanation/Reference:

QUESTION 80
A network requires a solution to allow 50 private IP addresses to be translated, however only a single public address is available for use.

Which translation method can be used to support this requirement?

A. Static NAT
B. Dynamic NAT
C. Easy-IP
D. NAPT

Correct Answer: C
Section: (none)
Explanation

Explanation/Reference:
QUESTION 81
NAPT allows for multiple internal addresses to be mapped to a single public address.

How does NAT distinguish between the different private addresses when mapping to the same public address?

A. The source MAC address is used.
B. The destination MAC address is used.
C. The source port number is used.
D. The destination port number is used.
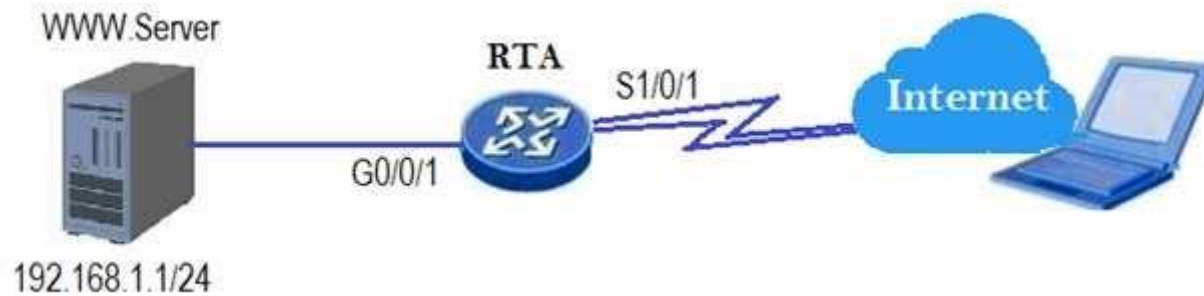
Correct Answer: C
Section: (none)
Explanation

Explanation/Reference:

QUESTION 82
A web server in a private network is required to provide HTTP services to public users. The network administrator is required to configure NAT on RTA.

Which configuration should be used?

A. [RTA-Serial1/0/1]nat server protocol tcp global 202.10.10.1 www inside 192.168.1.1 8080
B. [RTA-Serial0/0/1]nat server protocol tcp global 192.168.1.1 www inside 202.10.10.1 8080
C. [RTA-Gigabitethernet0/0/1]nat server protocol tcp global 202.10.10.1 www inside 192.168.1.1 8080
D. [RTA- Gigabitethernet0/0/1]nat server protocol tcp global 192.168.1.1 www inside 202.10.10.1 8080 **Correct Answer:** A
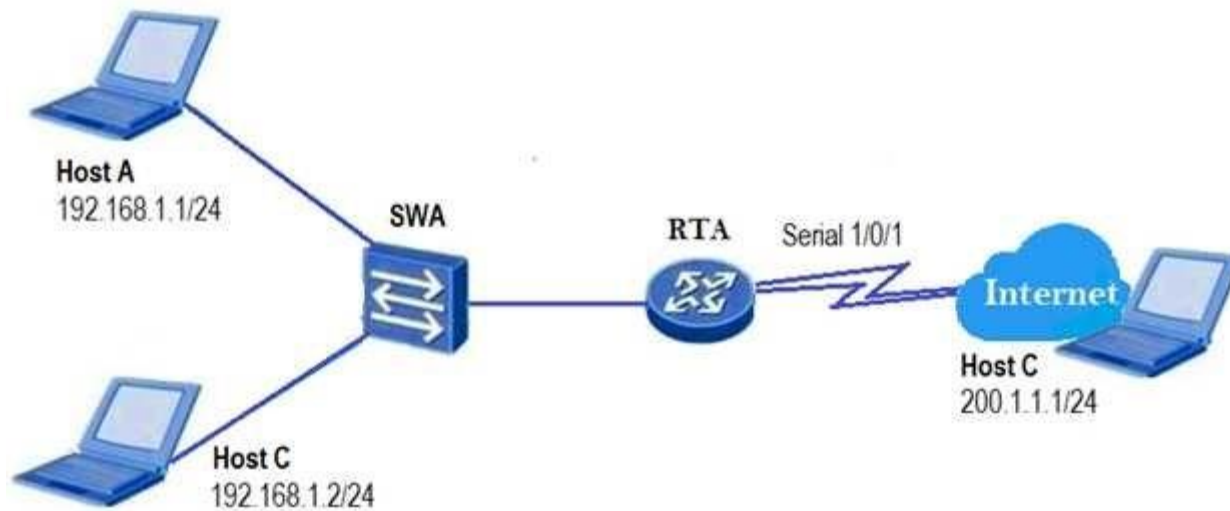
Section: (none)
Explanation

Explanation/Reference:

QUESTION 83
The network administrator needs to configure static NAT on RTA, in order to allow Host A to communicate with Host C.

Which command is correct?

A. [RTA-Serial1/0/1]nat outbound 200.1.1.10
B. [RTA-Serial1/0/1]nat static global 200.1.1.10 inside 192.168.1.0
C. [RTA-Serial1/0/1]nat static global 192.168.1.1 inside 200.1.1.10
D. [RTA-Serial1/0/1]nat static global 200.1.1.10 inside 192.168.1.1

Correct Answer: D
Section: (none)
Explanation

Explanation/Reference:
QUESTION 84
[RTA-GigabitEthernet0/0/0]nat outbound 2000 address-group 1 Refer

to the configuration output. What does the value "2000" refer to?

A. It represents the ACL number.
B. It represents the NAT number.
C. It represents the translated port number.

D. It represents the number of bytes that can be translated before the address is returned to the public address pool.

Correct Answer: A
Section: (none)
Explanation

Explanation/Reference:

QUESTION 85
NAPT uses the same public address but different port numbers to translate private addresses.

Which statement regarding the port number is correct?

A. It is necessary to configure port number mapping manually.
B. It is only necessary to configure the port number range.
C. It is not necessary to configure port numbers.
D. An access control list is needed to assign port numbers.

Correct Answer: C
Section: (none)
Explanation

Explanation/Reference:

QUESTION 86
A configured internal host of a private network wishes to access the internet. What must be configured on the enterprise network egress router in order to achieve this? (Choose all that apply.)
A. NAT Easy IP
B. DHCP
C. BGP
D. Default route

Correct Answer: AD
Section: (none)
Explanation

Explanation/Reference:

QUESTION 87
Which of the following statements are correct about NAT? (Choose three)

A. NAT is the abbreviation for "Network Address Translation".
B. NAT is used for translation between private and public network addresss.
C. When hosts inside a private network access the outside network, NAT is not required.
D. NAT provides an effective way to solve the problem of insufficient IP addresses.

Correct Answer: ABD
Section: (none)
Explanation

Explanation/Reference:

QUESTION 88
Which of the following technologies can allow a host with IP address 10.0.0.1 to access the internet?

A. Static route
B. Dynamic route
C. Route import
D. NAT

Correct Answer: D
Section: (none)
Explanation
Explanation/Reference:

QUESTION 89
Which of the following items can be translated by NAPT?

A. MAC address + port number
B. IP address + port number
C. Only MAC address

D. Only IP address

Correct Answer: B
Section: (none)
Explanation

Explanation/Reference:

QUESTION 90
Which of the following statements about a designated port working in RIPv2 multicast mode are true? (Choose three)

A. The port receives only RIPv2 multicast packets.
B. The port does not receive RIPv1 broadcast packets.
C. The port does not receive RIPv2 broadcast packets.
D. The port receives only RIPv1 multicast packets.

Correct Answer: ABC
Section: (none)
Explanation

Explanation/Reference:

QUESTION 91
Which of the following statements regarding the router ID in OSPF are incorrect? (Choose three)

A. The router IDs of OSPF routers in the same area must be the same, but can be different in different areas.
B. The router ID must be the IP address of an OSPF router interface.
C. The router ID must be configured manually.
D. A router running OSPF must have a router ID for it to operate properly.

Correct Answer: ABC
Section: (none)
Explanation

Explanation/Reference:

QUESTION 92
Which of the following statements regarding Designated Routers in OSPF are correct? (Choose three)

A. DR is elected by all the routers in the same network segment.
B. If the priorities of two routers are different, the router with the lower priority will be elected as DR.
C. If the priorities of two routers are equal, the router with the higher Router ID will be elected as DR.
D. DR and BDR must be adjacent.

Correct Answer: ACD
Section: (none)
Explanation

Explanation/Reference:

QUESTION 93
On the VRP platform, which of the following commands is used to configure the Router ID of a router as 1.1.1.1?

A. <Huawei>router id 1.1.1.1
B. [Huawei]router id 1.1.1.1
C. [Huawei]router-id 1.1.1.1
D. [Huawei]router id 1.1.1.1 255.255.255.255

Correct Answer: B
Section: (none)
Explanation

Explanation/Reference:
QUESTION 94
Which of the following OSPF versions is specific to IPv6?

A. OSPFv1
B. OSPFv2
C. OSPFv3
D. OSPFv4

Correct Answer: C

Section: (none)
Explanation

Explanation/Reference:

QUESTION 95
The administrator wishes to configure OSPF on a router in the network however the router has no loopback interface.

Which value will be used as the router ID?

A. The lowest IP address of the router's active interfaces.
B. The highest IP address of the router's active interfaces.
C. The IP address of the management interface.
D. The priority value of the router.

Correct Answer: B
Section: (none)
Explanation

Explanation/Reference:

QUESTION 96
An administrator of a company supporting a large enterprise network wishes to implement OSPF on the network as opposed to RIP. Which of the following points should the administrator use to support his reasoning for this change? (Choose three)

A. OSPF has no hop count limitation.
B. OSPF has a lower routing update overhead.
C. OSPF has a simpler configuration.
D. OSPF supports faster convergence.

Correct Answer: ABD
Section: (none)
Explanation

Explanation/Reference:

QUESTION 97
Which of the following statements regarding single area OSPF are correct? (Choose three)

A. An IP address needs to be configured on a loopback interface of each router before configuring an OSPF area.
B. The value of an area can be from 0.0.0.0 to 255.255.255.255.
C. A single area can be configured using any supported area number.
D. All of the links of the network need to be advertised in Area 0.

Correct Answer: BCD
Section: (none)
Explanation

Explanation/Reference:

QUESTION 98
10.0.1.0/24 O_ASE 150 2 D 10.0.23.3 Serial2/0/0

Refer to the display output. Which of the following statements regarding route shown are true? (Choose two)

A. The address 10.0.23.3 has been configured on the peer's serial 2/0/0 interface.
B. The route preference has been changed by the administrator.
C. The metric for the route 10.0.1.0 indicates that two hops are needed.
D. The route has been learned via the OSPF protocol.

Correct Answer: AD
Section: (none)
Explanation
Explanation/Reference:

QUESTION 99
Which of the following statements regarding link-state database and routing-table of a "single" OSPF area are correct? (Choose two)

A. The link-state databases that all routers build are identical. B.
The link-state databases that all routers build are different.
C. The routing-tables that all routers calculate are different.
D. The routing-tables that all routers calculate are identical.

Correct Answer: AC
Section: (none)
Explanation

Explanation/Reference:

QUESTION 100
Which of the following steps are necessary to configure OSPF on a Huawei router? (Choose three)

A. Configuration of a router ID
B. Enabling of an OSPF process
C. Specifying an OSPF area
D. Configuration of the network segments within each area

Correct Answer: BCD
Section: (none)
Explanation

Explanation/Reference:

QUESTION 101
Which of the following statements regarding the DR in an OSPF network are correct? (Choose two)

A. There must be at least one DR in an OSPF area.
B. A DR must be elected among the routers through the negotiations that are defined by OSPF protocol.
C. Only the router with highest priority will be elected as DR.
D. Only NBMA or Broadcast networks need to elect DR.

Correct Answer: BD
Section: (none)
Explanation

Explanation/Reference:

QUESTION 102
Which of the following VRP commands can be used to enter area 0 view? (Choose two)

A. [Huawei]ospf area 0
B. [Huawei-ospf-1]area 0
C. [Huawei-ospf-1]area 0.0.0.0
D. [Huawei-ospf-1]area 0 enable

Correct Answer: BC
Section: (none)
Explanation

Explanation/Reference:

QUESTION 103
Which of the following commands is used to display the OSPF neighbor relationship establishment?

A. display ospf neighbor
B. display ospf brief
C. display ospf peer
D. display ospf interface
Correct Answer: C
Section: (none)
Explanation

Explanation/Reference:

QUESTION 104
A RIP router receives the routing update information from its neighbor.

Which of the following statements regarding routing update are correct? (Choose three)

A. The received route that is not in the routing table will be added only when its hop count value is less than 16.
B. The received route that already exists in the routing table will be updated only when the next hop is the router's neighbor and the cost value is smaller.
C. The received route that already exists in the routing table will be updated only when the next hop is not the router's neighbor and the cost value is smaller.
D. The received route that already exists in the routing table will be updated only when the next hop is the router's neighbor and the cost value has been changed.

Correct Answer: ACD
Section: (none)
Explanation

Explanation/Reference:

QUESTION 105
Which of the following commands is used to display the current running state and configuration of RIP?

A. display protocol rip
B. show rip
C. display rip
D. display this rip

Correct Answer: C
Section: (none)
Explanation

Explanation/Reference:
QUESTION 106
A user can view the information for the RIP protocol on a router. What does "Age time" in the returned result of the command mean?

A. The interval of updating an RIP packet
B. The aging time of an RIP route
C. The suppression time of an RIP route
D. The time spent on switching between RIP routes

Correct Answer: B
Section: (none)
Explanation

Explanation/Reference:

QUESTION 107
After a command for displaying RIP route information is entered on a router, peer 192.168.1.2 on Serial1/0/0 is displayed in the returned result.

What does 192.168.1.2 stand for?

A. Address of a RIP neighbor
B. Address of the port with the RIP protocol enabled
C. Next hop address of the RIP route
D. Transmission address of the RIP protocol

Correct Answer: A
Section: (none)
Explanation

Explanation/Reference:

QUESTION 108

```
<R2>debugging rip 1
Sep 13 2013 11:07:20.974.1-05:13 R2 RIP/7/DBG: 6: 13414: RIP 1: Receiving v1 response on
GigabitEthernet0/0/0 from 10.0.12.1 with 1 RTE
Sep 13 2013 11:07:20.974.2-05:13 R2 RIP/7/DBG: 6: 13465: RIP 1: Receive response from
10.0.12.1 on
GigabitEthernet0/0/0
Sep 13 2013 11:07:20.974.3-05:13 R2 RIP/7/DBG: 6: 13476: Packet: Version 1, Cmd response,
Length 24
Sep 13 2013 11:07:20.974.4-05:13 R2 RIP/7/DBG: 6: 13527: Dest 1.0.0.0, Cost 1
Sep 13 2013 11:07:20.974.5-05:13 R2 RIP/7/DBG: 6: 2688: RIP 1: Ignoring packet. This version
is not configured.
```

Refer to the debug output. Following configuration of R2, the administrator discovers that the behavior is not as expected and performs debugging. Based on the output from the debug, what is the source of the problem?

A. R2 has configured an ACL to block the route to network 1.0.0.0
B. R2 has enabled split horizon.
C. R1 is using authentication, however R2 is not.
D. R2 is operating using RIPv2, while R1 is using RIPv1.

Correct Answer: D
Section: (none)
Explanation

Explanation/Reference:

QUESTION 109
Which of the following statements about a designated port working in RIPv2 multicast mode are true? (Choose three)

A. The port receives only RIPv2 multicast packets.
B. The port does not receive RIPv1 broadcast packets.
C. The port does not receive RIPv2 broadcast packets.
D. The port receives only RIPv1 multicast packets.

Correct Answer: ABC
Section: (none)
Explanation

Explanation/Reference:

QUESTION 110
When a network administrator configures STP in the network, BPDU begin to be sent by switch. Which of the following statements regarding the BPDU frame are correct?

A. A BPDU uses the IEEE 802.3 standard frame type
B. A BPDU uses the Ethernet II standard frame type
C. The BPDU frame's control field is 3

D. The destination MAC address field of a BPDU frame is a broadcast address

Correct Answer: A
Section: (none)
Explanation

Explanation/Reference:

QUESTION 111
In the case of Huawei router, the Tracert command uses UDP to encapsulate probe packets.

A. True
B. False

Correct Answer: A
Section: (none)
Explanation

Explanation/Reference:

QUESTION 112
The broadcast address of the subnet 192.168.1.0/25 is 192.168.1.128.

A. True
B. False

Correct Answer: B
Section: (none)
Explanation

Explanation/Reference:

QUESTION 113
A network administrator wishes to assign an IP address to a router interface G0/0/0. Which of the following IP addresses can be assigned?

A. 192.168.10.112/30

B. 237.6.1.2/24
C. 145.4.2.55/26
D. 127.3.1.4/28

Correct Answer: C
Section: (none)
Explanation

Explanation/Reference:

QUESTION 114
If a network's address is 192.168.1.0, the broadcast address of the network is 192.168.1.255.

A. True
B. False

Correct Answer: A
Section: (none)
Explanation

Explanation/Reference:

QUESTION 115
In the VRP system, what are the functions of Ctrl+Z?
A. Return from the system view to the user view
B. Exit from the current view
C. Exit from the interface view
D. Exit from the console interface view
E. Return to the user view

Correct Answer: A
Section: (none)
Explanation

Explanation/Reference:

QUESTION 116
In standard STP mode, which of the following ports on non-root switches forward the BPDUs with TC bits set generated by the root switch?

A. Root port
B. Backup port
C. Designated port
D. Alternate port

Correct Answer: A
Section: (none)
Explanation

Explanation/Reference:

QUESTION 117
Assuming all STP enabled switches have the same bridge priority. The MAC address of switch A is 00-e0-fc-00-00-40, the MAC address of switch B is 00-e0-fc-0000-10, the MAC address of switch C is 00-e0-fc-00-00-20, and the MAC address of switch D is 00-e0-fc-00-00-80. Which switch will be elected as the root switch?

A. Switch A
B. Switch B
C. Switch C
D. Switch D

Correct Answer: B
Section: (none)
Explanation

Explanation/Reference:

QUESTION 118
As specified by the RSTP protocol, when a root port fails, which type of port will function as a new root port and enters the forwarding state without any delay?

A. Forwarding Port
B. Alternate Port
C. Backup Port

D. Edge Port

Correct Answer: B
Section: (none)
Explanation

Explanation/Reference:

QUESTION 119
In STP, the priority of the STP root switch ranges from 0 to 65536.

A. True
B. False

Correct Answer: A
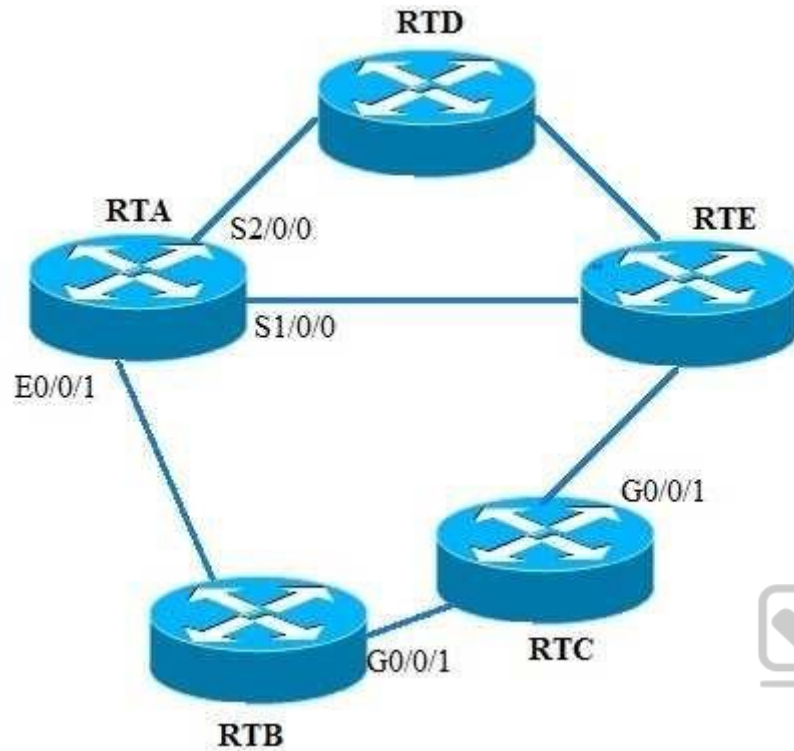**Section: (none)**
Explanation

Explanation/Reference:

QUESTION 120
Refer to the graphic. Which statements correctly explains the forwarding behavior between RTA and RTE? (Choose all that apply)

A. When the network uses OSPF, data will be forwarded along the path via S1/0/0
B. When the network uses RIPv2, data will be forwarded along the path via S1/0/0
C. When the network uses OSPF, data will be forwarded along the path from via E0/0/1
D. When the network uses RIPv2, data will be forwarded along the path via S2/0/0
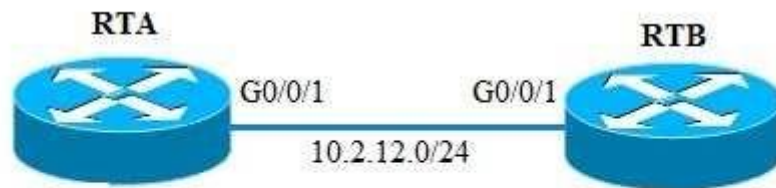
Correct Answer: BC
Section: (none)
Explanation

Explanation/Reference:

QUESTION 121

Refer to the graphic. RTA and RTB are running RIPv1. RTA has advertised 10.0.0.0 and 192.168.1.0 to the RIP network. Which routes will exist in the IP routing table of RTB? (Choose all that apply)

A. 10.0.0.0/8
B. 192.168.1.1/32
C. 10.1.12.1/32
D. 192.168.1.0/24

Correct Answer: AD
Section: (none)
Explanation

Explanation/Reference:

QUESTION 122
Which of the following configurations regarding static route are correct? (Choose all that apply)

A. ip route-static 129.1.0.0 16 serial 0
B. ip route-static 10.0.0.2 16 129.1.0.0
C. ip route-static 129.1.0.0 16 10.0.0.2
D. ip route-static 129.1.0.0.255.255.0.0 10.0.0.2

Correct Answer: ACD
Section: (none)
Explanation

Explanation/Reference:

QUESTION 123
Refer to the graphic. An administrator has configured RIPv2 in the two routers. What will happen after configuring the following commands: (Choose all that apply)

[RTA-Serial0/0/1] rip output
[RTA-rip-1]silent-interface s0/0/1
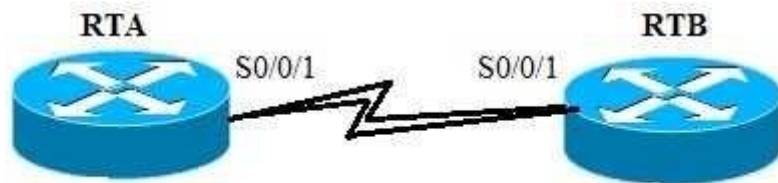
A. RTA will have the route learned from the RTB
B. RTB will have the route learned from the RTA
C. RTA will have no neighbor relationship with RTB
D. RTB will have no neighbor relationship with RTA

Correct Answer: AD
Section: (none)
Explanation

Explanation/Reference:

QUESTION 124
Refer to the graphic. OSPF is used on four routers that are in the same area and on the same network segment. In this scenario, OSPF selects one DR and multiple BDRs to ensure backup.
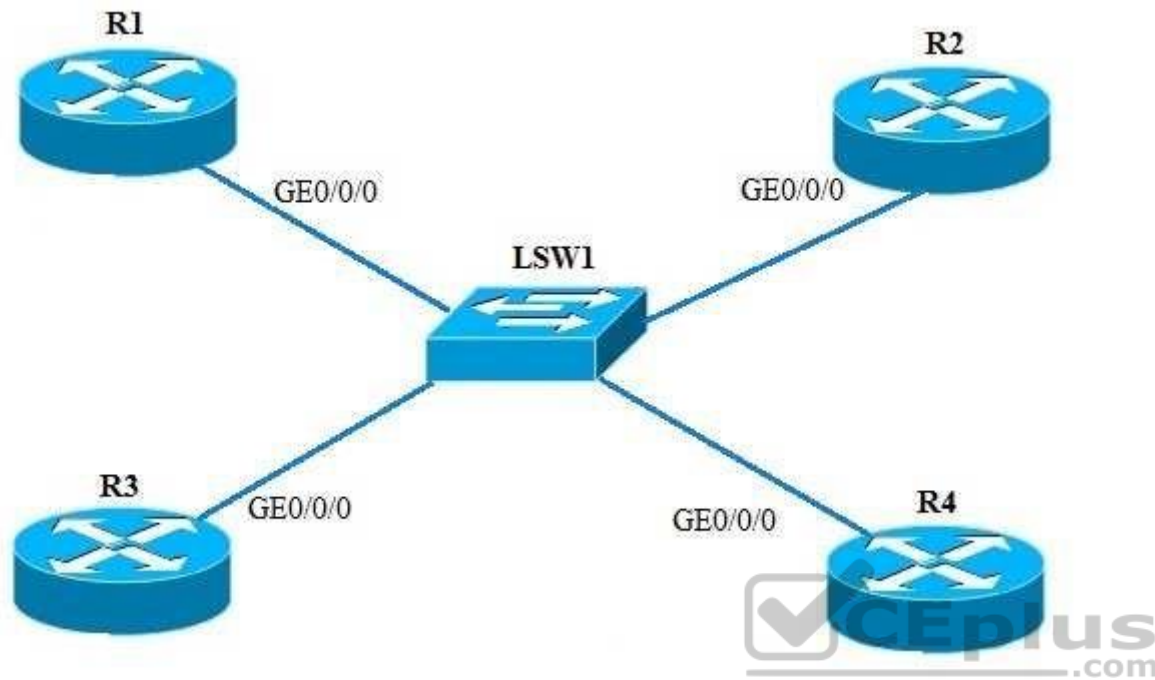
A. True
B. False

Correct Answer: B
Section: (none)
Explanation

Explanation/Reference:

QUESTION 125
On Huawei devices, you can use the undo summary command to prohibit automatic route summarization of RIPv2.

A. True
B. False

Correct Answer: A
Section: (none)
Explanation

Explanation/Reference:

QUESTION 126
Which of the following configurations regarding default route configuration is correct?

A. [Quidway] ip route-static 0.0.0.0 0.0.0.0 172.16.2.1
B. [Quidway] ip route-static 0.0.0.0 255.255.255.255 172.16.2.1
C. [Quidway-GigabitEthernet0/0/1] ip route-static 0.0.0.0 0.0.0.0 172.16.2.1
D. [Quidway] ip route static 0.0.0.0 0.0.0.0 172.16.2.1

Correct Answer: A
Section: (none)
Explanation

Explanation/Reference:

QUESTION 127
Which of the following WLAN standards support operation in the 5GHz range? (Choose all that apply)

A. 802.11a
B. 802.11b
C. 802.11g
D. 802.11n

Correct Answer: AD
Section: (none)
Explanation

Explanation/Reference:

QUESTION 128

On Huawei switches, you can run the vlan batch command to create multiple VLANs in batches.
A. True B.
False

Correct Answer: A
Section: (none)
Explanation

Explanation/Reference:

QUESTION 129
According to the topology and configuration of interconnected interfaces of switches shown in the figure, the data frame tagged with VLAN 10 can be forwarded correctly between the two switches.

[LSW1]interface GigabitEthernet0/0/1

[LSW1-GigabitEthernet0/0/1]Port link-type trunk

[LSW1-GigabitEthernet0/0/1]Port trunk pvid vlan 20

[LSW1-GigabitEthernet0/0/1]Port trunk allow-pass vlan 10

#

[LSW2]interface GigabitEthernet0/0/1

[LSW2-GigabitEthernet0/0/1]Port link-type trunk

[LSW2-GigabitEthernet0/0/1]Port trunk pvid vlan 20

[LSW2-GigabitEthernet0/0/1]Port trunk allow-pass vlan 10

A. True
B. False

Correct Answer: A
Section: (none)
Explanation

Explanation/Reference:

QUESTION 130
Refer to the graphic, which of the following statements is true about OSPF topology and configuration?

```
R1                                    R2

[R1]interface GigabitEthernet0/0/0
[R1-GigabitEthernet0/0/0]ip address 100.1.1.1 255.255.255.0
[R1-GigabitEthernet0/0/0]ospf network-type p2p
[R1-GigabitEthernet0/0/0]ospf dr-priority 100
[R1-GigabitEthernet0/0/0]ospf timer hello 20
[R1]ospf 1
[R1-ospf-1]area 0.0.0.0
[R1-ospf-1-area-0.0.0.0]network 100.1.1.1 0.0.0.0
#
[R2]interface GigabitEthernet0/0/0
[R2-GigabitEthernet0/0/0]ip address 100.1.1.2 255.255.255.0
[R2]ospf 1
[R2-ospf-1] area 0.0.0.0
[R2-ospf-1-area-0.0.0.0]network 100.1.1.2 0.0.0.0
```

A. A stable OSPF neighbor relationship can be set up between R1 and R2.
B. After the default network type of the interface on R1 is restored to broadcast, a stable OSPF neighbor relationship can be set up between R1 and R2.
C. After the default network type of the interface on R1 is restored to broadcast and the hello packet sending interval is changed to 10s, a stable OSPF neighbor relationship can be set up between R1 and R2.
D. Compared with R1, R2 is more likely to become the DR because the DR priority of the interface on R2 is lower than that of R1.

Correct Answer: C
Section: (none)
Explanation

Explanation/Reference:

QUESTION 131
Refer to the graphic. An administrator has configured OSPF on the two routers, following which he then implements the command silent-interface s0/0/1 on RTA.
What effect will this command have on the network? (Multiple Choice)

A. The link information advertised by RTB will be maintained in the Link State Database of RTA.
B. The OSPF neighbor relationship will fail between two routers.
C. The configuration will not affect the OSPF neighbor relationship between the two routers.
D. The link information advertised by RTB will no longer be maintained in the Link State Database of RTA.

Correct Answer: B
Section: (none)
Explanation

Explanation/Reference:

QUESTION 132
In an RIP process on a Huawei device, which of the following configurations are correct for advertising network 10.1.1.1/30? (Multiple Choice)

A. network 10.1.1.0
B. undo summary
   network 10.1.1.0
C. version 2undo summary network 10.0.0.0
D. undo summary
   network 10.1.0.0
E. network 10.0.0.0

Correct Answer: B

Section: (none)
Explanation
Explanation/Reference:

QUESTION 133
The following configuration commands implement route backup on RTA for a route to the same destination 10.1.1.0.

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

A. TRUE
B. FALSE

Correct Answer: B
Section: (none)
Explanation

Explanation/Reference:

QUESTION 134
Refer to the command output. Which statement is true regarding this command?

```
ip route-static 10.0.12.0 255.255.255.0 192.168.1.1
```

A. The configuration represents a static route to the 192.168.1.1 network
B. The configuration represents a static route to the 10.0.12.0 network.
C. The preference value of this configured route is 100.
D. If the router has learned the same destination network via a dynamic routing protocol, the static route will always take precedence.

Correct Answer: B
Section: (none)
Explanation

Explanation/Reference:

QUESTION 135

Which of the following network types does OSPF support? (Multiple Choice)

A. Point-to-Point.
B. Broadcast.
C. Non-Broadcast Multi-Access.
D. Point-to-Multipoint.

Correct Answer: ABC
Section: (none)
Explanation

Explanation/Reference:

QUESTION 136
A DHCP Offer packet can carry only one DNS server address.

A. TRUE
B. FALSE

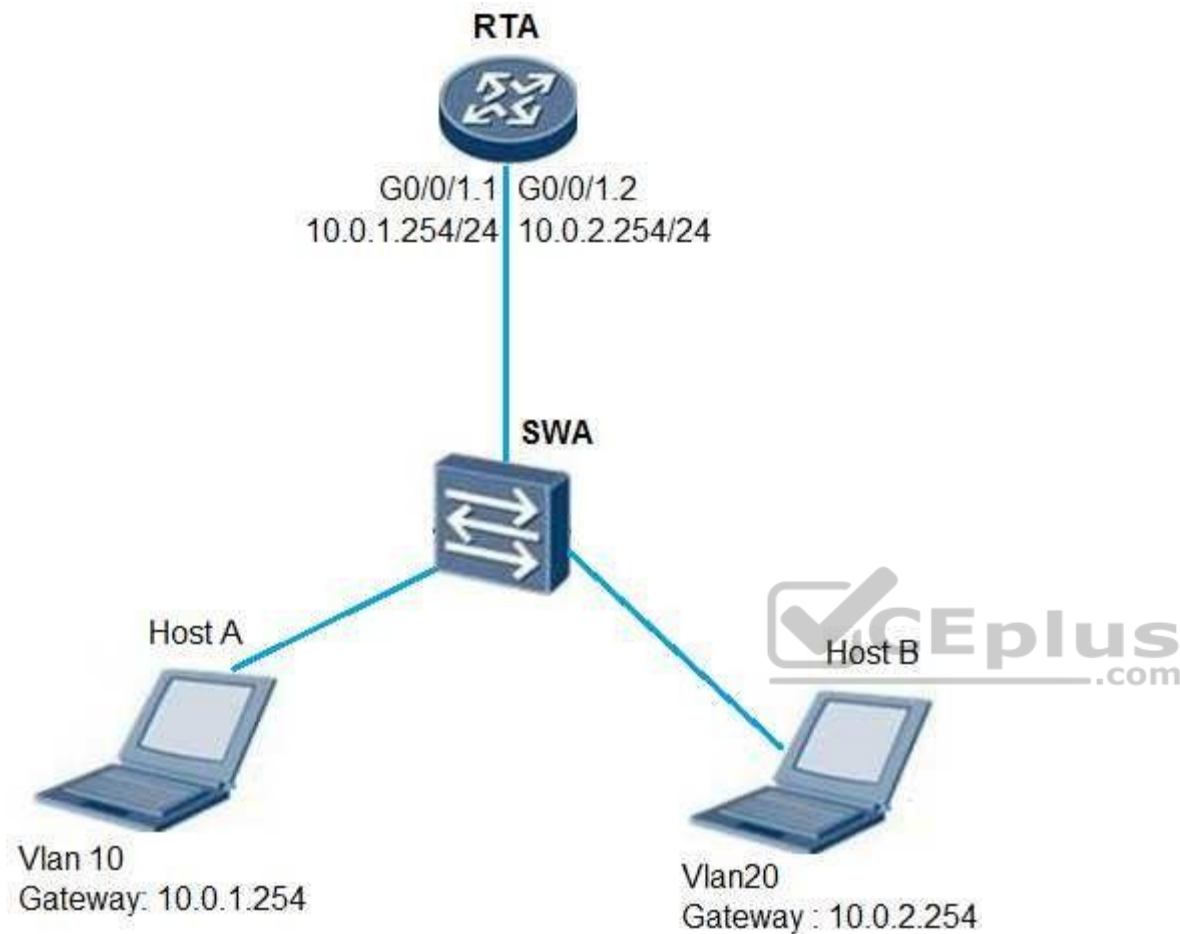**Correct Answer:** B
Section: (none)
Explanation

Explanation/Reference:

QUESTION 137
Refer to the graphic. Host A and Host B use VLAN routing to facilitate communication. What must be configured on interface G0/0/1.1 of RTA to achieve this?

A. dot1q termination vid 1.
B. dot1q termination vid 10.
C. dot1q termination vid 20.
D. dot1q termination vid 30.

Correct Answer: B

QUESTION 138
Refer to the configuration output. Which following statements are correct? (Multiple choice)

```
[Huawei]interface GigabitEthernet0/0/1
[Huawei-GigabitEthernet0/0/1]port link-type trunk
[Huawei-GigabitEthernet0/0/1]port trunk allow-pass vlan 2 to 4094
```

A. VLAN 1 cannot pass over interface Gigabit Ethernet 0/0/1.

B. VLAN 1 can pass over interface Gigabit Ethernet 0/0/1.
C. Prior to changing the link-type to access, the command "undo port trunk allow-pass vlan all" must be used to renew the default configurations.
D. Prior to changing the link-type to access, the command "undo port trunk allow-pass vlan 2 to 4096" must be used to renew the default configurations.

Correct Answer: AD
Section: (none)
Explanation

Explanation/Reference:

QUESTION 139
Link aggregation is a common technique in enterprise network. Which of the following description is the advantages of link aggregation? (Multiple Choice)

A. Improves link bandwidth.
B. Implements load sharing.
C. Improves network reliability.
D. Facilitates data copy for analysis.

Correct Answer: ABC
Section: (none)
Explanation

Explanation/Reference:

QUESTION 140
On Huawei switches, VLAN 4095 cannot be created and VLAN 1 cannot be deleted.

A. TRUE
B. FALSE

Correct Answer: A
Section: (none)
Explanation

Explanation/Reference:

QUESTION 141
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.

```
[R2]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

Correct Answer: B
Section: (none)
Explanation

Explanation/Reference:

QUESTION 142
Refer to the graphic, which of the following statements are true about VLAN configuration on Huawei switches? (Multiple Choice)

Client1
VLAN 10

Client3
VLAN 30

Client2
VLAN 20

Client4
VLAN 40

LSW1

GE0/0/1
GE0/0/2
GE0/0/3
GE0/0/4

vlan10
#
interface GigabitEthernet0/0/1
  port link-type access
  port default vlan 10

vlan30
#
interface GigabitEthernet0/0/3
  port link-type trunk
  port trunk allow-pass vlan 30

vlan 20
mac-vlan mac-address 0022-0022-0022 priority 0
#
interface GigabitEthernet0/0/2
  port hybrid untagged vlan 20
  mac-vlan enable

vlan 40
#
interface GigabitEthernet0/0/4
  port link-type hybrid
  port hybrid untagged vlan 40

A. Client1 belongs to VLAN 10 and the VLAN assignment command on LSW1 is correct.

B. Client2 belongs to VLAN 20, and the MAC address-based VLAN assignment command on LSW1 is correct.

C. Client3 is in VLAN 30, and the VLAN assignment command on LSW1 is correct.

D. Client4 belongs to VLAN 40, and the VLAN assignment command on LSW1 is correct.

E. Client4 does not belong to VLAN 40, and the VLAN assignment command on LSW1 is incorrect.

Correct Answer: ACD
Section: (none)
Explanation

Explanation/Reference:

QUESTION 143

Which of the following statements is true about the PPP configuration and deployment?

A. PPP cannot be used to deliver IP addresses.
B. PPP supports both CHAP and PAP authentication.
C. PPP cannot change the keepalive time.
D. PPP does not support bidirectional authentication.

Correct Answer: B
Section: (none)
Explanation

Explanation/Reference:

QUESTION 144

According to the following topology and configuration, R1 and R2 are connected through low-speed serial cables and PPP is used to encapsulate data link layer packets. When the Holdtime values of R1 and R2 are different, PPP negotiation and communication fail.

```
[R1]interface Serial0/0/0
[R1-Serial0/0/0] ip address 202.10.1.1 255.255.255.0
[R1-Serial0/0/0] timer hold 2
#
[R2]interface Serial0/0/0
[R2-Serial0/0/0] ip address 202.10.1.2 255.255.255.0
```

A. TRUE
B. FALSE

Correct Answer: A
Section: (none)
Explanation

Explanation/Reference:

QUESTION 145
Refer to the graphic. IPsec VPN uses ESP to encrypt which fields?

| IP Header | ESP Header | TCP Header | Data | ESP Trailer | ESP Auth |

A. TCP, Data and ESP Trailer.
B. ESP, TCP and Data.
C. ESP, TCP, Data and ESP Trailer.
D. ESP, TCP, Data, ESP Trailer and ESP Auth.

Correct Answer: A
Section: (none)

Explanation

Explanation/Reference:

QUESTION 146
The authentication, authorization and accounting schemes and HWTACACS or RADIUS server templates created on AR routers take effect only after being applied to a domain.

A. TRUE
B. FALSE

Correct Answer: A
Section: (none)
Explanation

Explanation/Reference:

QUESTION 147
Which SNMP version focuses on two main aspects, namely security and administration. The security aspect is addressed by offering both strong authentication and data encryption for privacy. The administration aspect is focused on two parts, namely notification originators and proxy forwarders.

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

Correct Answer: D
Section: (none)
Explanation

Explanation/Reference:

QUESTION 148
Which of the following route entries can be aggregated into 10.0.0.24/29? (Choose all that apply.)

A. 10.0.0.25/30
B. 10.0.0.23/30
C. 10.0.0.26/30
D. 10.0.0.22/30

Correct Answer: AC
Section: (none)
Explanation

Explanation/Reference:

QUESTION 149
According to the configuration of single-armed routing in the following figure, the administrative department and finance department can communicate with each other even the proxy ARP is disabled on the subinterface on R1.

R1

G0/0/0

G0/0/3

LSW1

G0/0/1

G0/0/2

Administrative department
192.168.100.1

Finance department
192.168.200.1
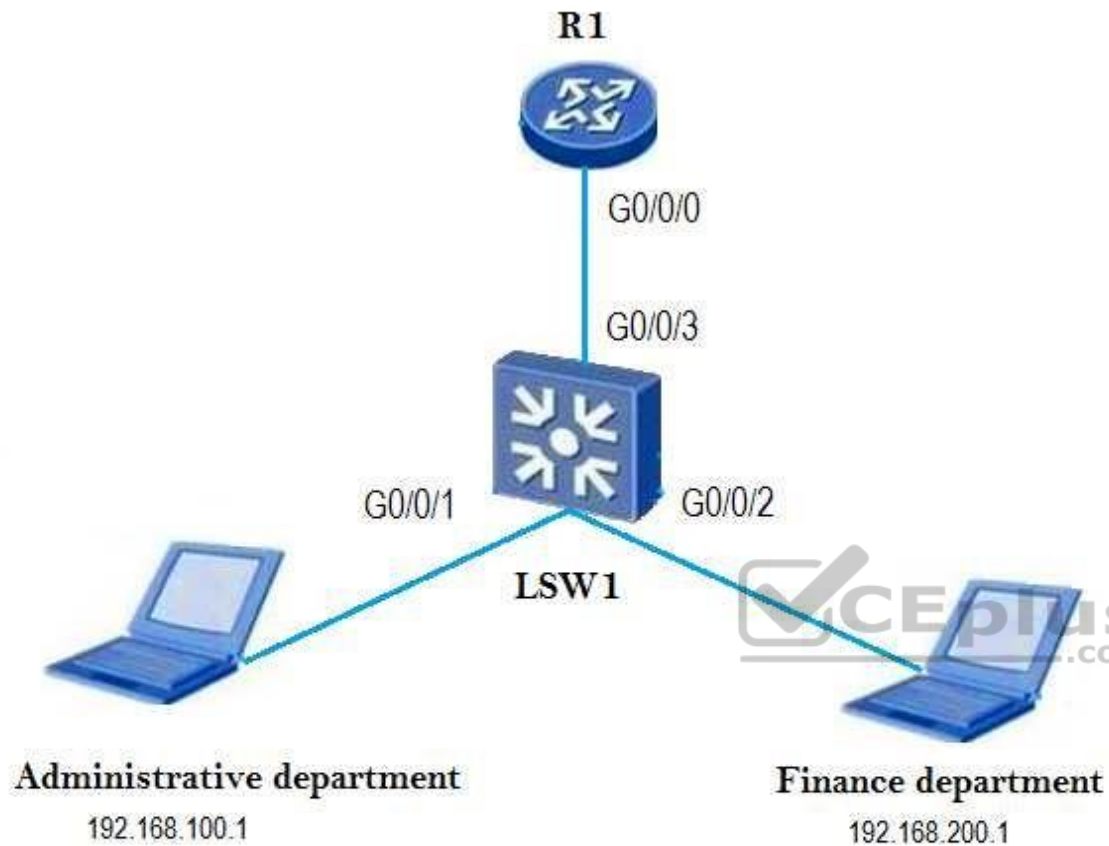
[R1] interface GigabitEthernet0/0/0.1
[R1-GigabitEthernet0/0/0.1]dot1q termination vid 10
[R1-GigabitEthernet0/0/0.1] ip address 192.168.100.254.255.255.255.0
[R1] interface GigabitEthernet0/0/0.2
[R1-GigabitEthernet0/0/0.2]dot1q termination vid 20
[R1-GigabitEthernet0/0/0.2] ip address 192.168.100.254.255.255.255.0

A. True

B. False

Correct Answer: B
Section: (none)
Explanation

Explanation/Reference:

QUESTION 150
Refer to the graphic.
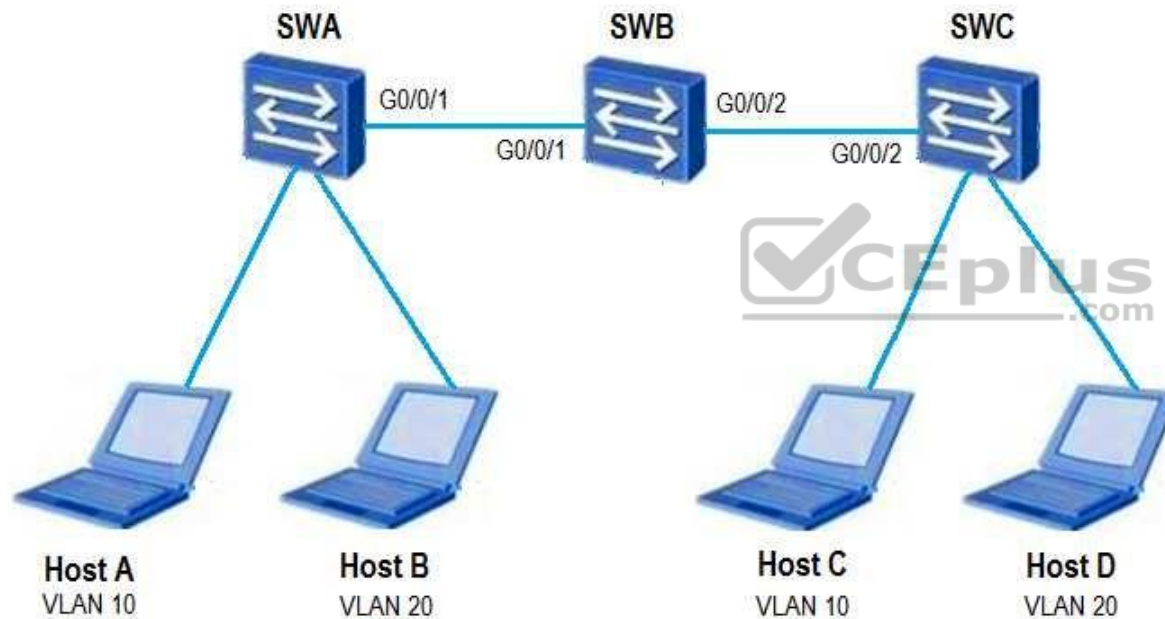
VLANs 10 and 20 have been created on both SWA and SWC. VLAN 10 has been manually created on SWB. SWB has learned VLAN 20 from SWA via GVRP, allowing the hosts to belong to different VLANs as shown. If port Interface G0/0/1 on SWB is changed to fixed mode, what will happen?

A. Host A will still be able to communicate with Host C.
B. Host B will still be able to communicate with Host D.
C. Hosts that belong to the same VLAN will still be able to communicate.

D. All hosts will be unable to communicate with any other host.

Correct Answer: A
Section: (none)
Explanation

Explanation/Reference:

QUESTION 151
On Sx7 series switches, which of the following VLANs can be removed by using command "undo"? (Choose all that apply.)

A. vlan 1.
B. vlan 2.
C. vlan 1024.
D. vlan 4094.

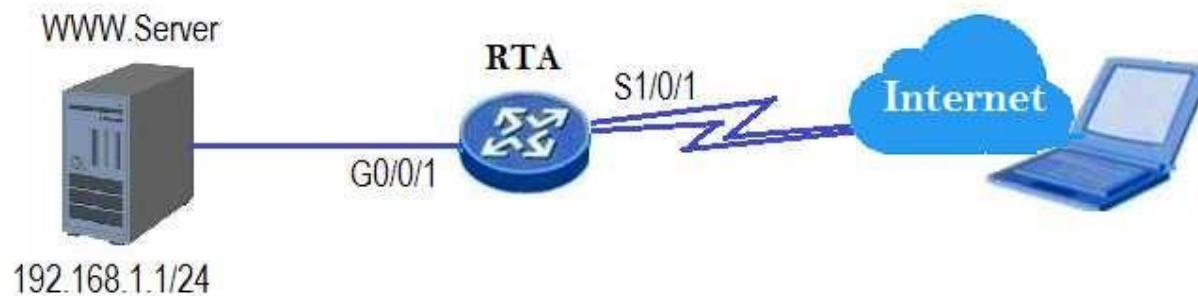**Correct Answer:** BCD
Section: (none)
Explanation

Explanation/Reference:

QUESTION 152
Refer to the graphic.

A web server in a private network is required to provide HTTP services to public users. The network administrator is required to configure NAT on RTA. Which configuration should be used?

A. [RTA-Serial1/0/1]nat server protocol tcp global 202.10.10.1 www.inside 192.168.1.1 8080
B. [RTA-Serial0/0/1]nat server protocol tcp global 192.168.1.1 www.inside 202.10.10.1 8080
C. [RTA-Gigabitethernet0/0/1]nat server protocol tcp global 202.10.10.1 www.inside 192.168.1.1 8080
D. [RTA-Gigabitethernet0/0/1]nat server protocol tcp global 192.168.1.1 www.inside 202.10.10.1 8080

Correct Answer: A
Section: (none)
Explanation

Explanation/Reference:

QUESTION 153
On an FR network, when the fr inarp command is executed, the interface where static address mapping entries have been configured sends an Inverse ARP
Request packet to the remote device to replace the static address mapping entries.

A. True
B. False

Correct Answer: B
Section: (none)
Explanation

Explanation/Reference:

QUESTION 154
According to the configuration on R1 shown in the following figure, the two PCs can correctly access the ISP network.
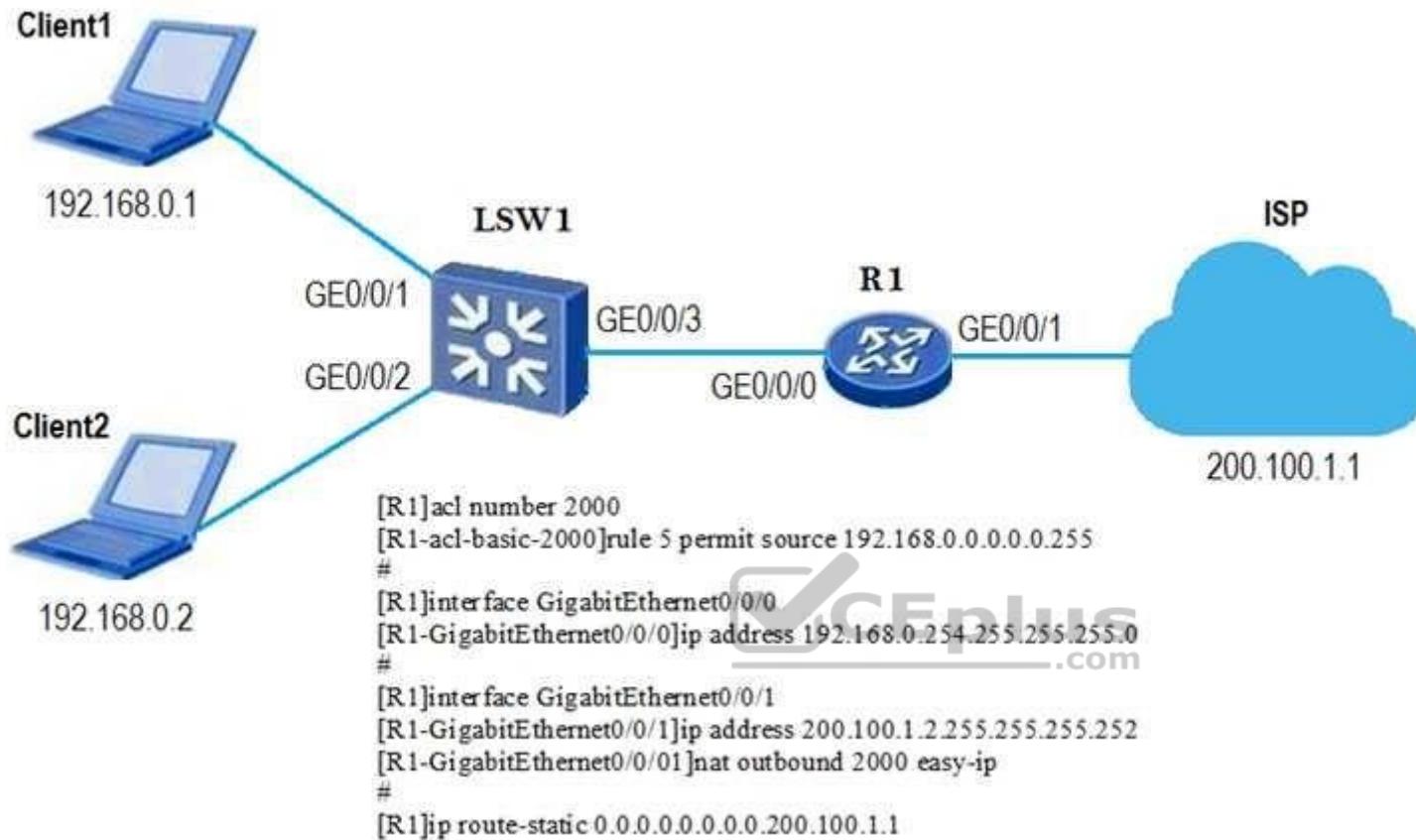
Client1

192.168.0.1

LSW1

GE0/0/1

GE0/0/2

Client2

192.168.0.2

GE0/0/3

R1

GE0/0/0

GE0/0/1

ISP

200.100.1.1

```
[R1]acl number 2000
[R1-acl-basic-2000]rule 5 permit source 192.168.0.0.0.0.0.255
#
[R1]interface GigabitEthernet0/0/0
[R1-GigabitEthernet0/0/0]ip address 192.168.0.254.255.255.255.0
#
[R1]interface GigabitEthernet0/0/1
[R1-GigabitEthernet0/0/1]ip address 200.100.1.2.255.255.255.252
[R1-GigabitEthernet0/0/01]nat outbound 2000 easy-ip
#
[R1]ip route-static 0.0.0.0.0.0.0.0.200.100.1.1
```

A. True
B. False

Correct Answer: A
Section: (none)
Explanation

Explanation/Reference:

QUESTION 155
Which of the following can be displayed on the Versatile Routing Platform (VRP) to indicate that GE port 2 on subcard 0 in slot 3 of a router?

A. interface GigabitEthernet 3/2/0
B. interface GigabitEthernet 3/0/2
C. interface Ethernet 3/0/2
D. interface XGigabitEthernet 3/0/2

Correct Answer: B
Section: (none)
Explanation

Explanation/Reference:

QUESTION 156
You can run the "startup saved-configuration backup.cfg" command on the user interface of the Versatile Routing Platform (VRP) to specify the "backup.cfg" file as the configuration file for next startup.

A. True
B. False

Correct Answer: A
Section: (none)
Explanation

Explanation/Reference:

QUESTION 157
When a network engineer enters a command, the following information is displayed:

Error: Unrecognized command found at '^' position. Which of the following statements is true about such information?

A. The parameter type is incorrect.
B. The entered command is incomplete.
C. The entered parameter is not specified.
D. No keyword is found.

Correct Answer: D
Section: (none)
Explanation

Explanation/Reference:

QUESTION 158
In RSTP mode, interfaces in the Discarding state discard received data frames but maintain the MAC address table based on received data frames.

A. True
B. False

Correct Answer: B
Section: (none)
Explanation

Explanation/Reference:

QUESTION 159
Which of the following statements is true about the MAC address table of a switch?

```
<Huawei>dis mac-address
MAC address table of slot 0:
------------------------------------------------------------------------
MAC Address    VLAN/       PEVLAN CEVLAN Port        Type     LSP/LSR-ID
               VSI/SI                           MAC-Tunnel
------------------------------------------------------------------------
5489-9811-0b49 1            -      -    Eth0/0/3      static   -
------------------------------------------------------------------------
Total matching items on slot 0 displayed = 1

MAC address table of slot 0:
------------------------------------------------------------------------
MAC Address    VLAN/       PEVLAN CEVLAN Port        Type     LSP/LSR-ID
               VSI/SI                           MAC-Tunnel
------------------------------------------------------------------------
5489-989d-1d30 1            -      -    Eth0/0/1      dynamic  0/-
5489-9885-18a8 1            -      -    Eth0/0/2      dynamic  0/-
------------------------------------------------------------------------
Total matching items on slot 0 displayed = 2
```

A. The MAC address 5489-9811-0b49 is manually configured by the administrator.
B. The MAC address 5489-989d-1d30 is manually configured by the administrator.
C. The MAC address 5489-9885-18a8 is manually configured by the administrator.
D. After the switch restarts, all the MAC addresses need to be learned again.

Correct Answer: A
Section: (none)
Explanation

Explanation/Reference:

QUESTION 160

The MAC address table of a switch is as follows. If the switch receives a data frame whose destination MAC address is 5489-9885-18a8 from Eth0/0/2, which of the following statements is true?

```
<Huawei>display mac-address
MAC address table of slot 0:

---------------------------------------------------------------
MAC Address    VLAN/      PEVLAN CEVLAN Port       Type    LSP/LSR-ID
               VSI/SI                               MAC-Tunnel
---------------------------------------------------------------
5489-9885-18a8 1          -      -      Eth0/0/2    dynamic  0/-
5489-989d-1d30 1          -      -      Eth0/0/1    dynamic  0/-
---------------------------------------------------------------
Total matching items on slot 0 displayed = 2
```

A. The data frame is forwarded through Eth0/0/2.
B. The data frame is flooded.
C. The data frame is forwarded through Eth0/0/1.
D. The data frame is discarded.

Correct Answer: D
Section: (none)
Explanation

Explanation/Reference:

QUESTION 161
Which of the following descriptions about STP designated ports is correct?

A. Designated ports forward frames destined for the root switch.
B. Designated ports represent the path leading to the root switch.
C. Each bridge can have only one designated port.
D. Designated ports are responsible for sending BPDU to connected network segments.

Correct Answer: D

Explanation/Reference:

QUESTION 162
What is the total length of the port ID in STP?

A. 4 bits
B. 8 bits
C. 2 bits
D. 16 bits
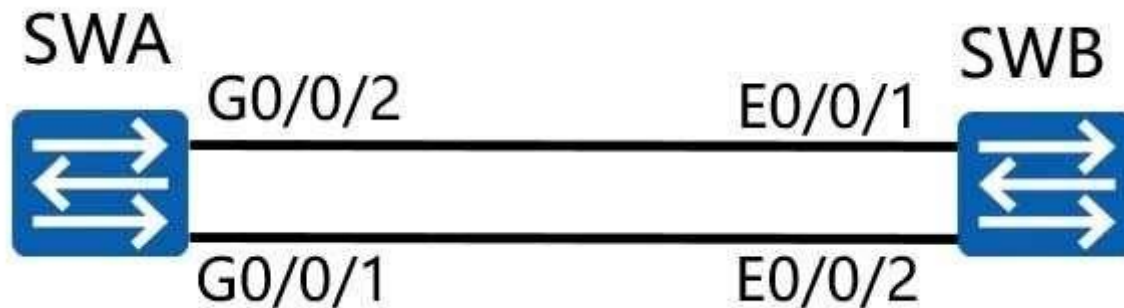
Correct Answer: D
Section: (none)
Explanation

Explanation/Reference:

QUESTION 163
Refer to the graphic.

The switch is operating using STP. All default parameters have been maintained. Which port will be assigned a designated port role?

A. E0/0/2 of the hub.

B. G0/0/2 of switch A.
C. G0/0/1 of switch A.
D. E0/0/1 of the hub.

Correct Answer: A
Section: (none)
Explanation

Explanation/Reference:

QUESTION 164
Which of the following protocols can be used on a Layer 2 network with redundant links to prevent loops?

A. UDP
B. VRRP
C. STP
D. ARP

Correct Answer: C
Section: (none)
Explanation

Explanation/Reference:

QUESTION 165
You can configure a static route on a broadcast interface by specifying the next-hop IP address or outbound interface.

A. True
B. False

Correct Answer: A
Section: (none)
Explanation

Explanation/Reference:

QUESTION 166
What are the advantages of OSPF?

A. OSPF supports packet authentication.
B. OSPF can load balance traffic among equal-cost routes. C. OSPF supports Classless Inter-Domain Routing
   (CIDR).
D. OSPF supports area partition.

Correct Answer: BCD
Section: (none)
Explanation

Explanation/Reference:

QUESTION 167
As shown in the following figure, switch A and router A are connected through two links. The two links are aggregated in manual load balancing mode. The aggregation port number is 1. The aggregated link needs to carry VLAN tag 100. Switch A uses the trunk link.
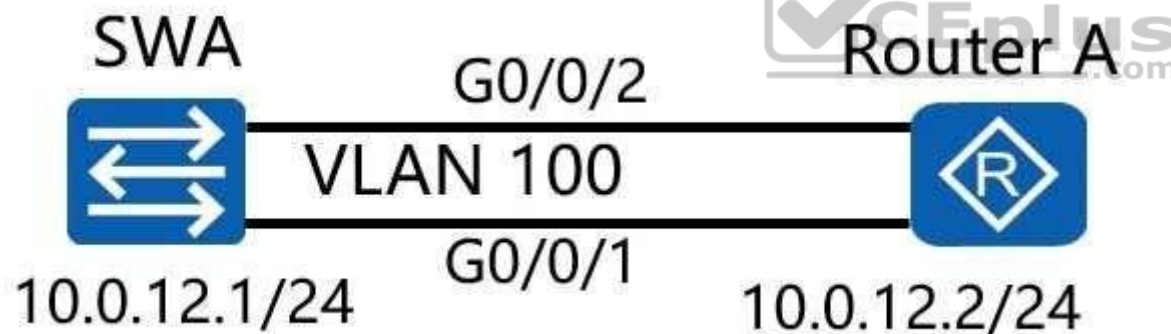
Which of the following configurations need to be performed on switch A?

```
interface Eth-Trunk1
 ip address 10.0.12.1 255.255.255.0
 #
```
A.

```
interface Eth-Trunk1
 mode lacp-static
 port link-type trunk
 port trunk allow-pass vlan 100
#
interface GigabitEthernet0/0/1
 eth-trunk 1
#
interface GigabitEthernet0/0/2
 eth-trunk 1
#

interface Eth-Trunk1
 port link-type trunk
 port trunk allow-pass vlan 100
#
interface GigabitEthernet0/0/1
 eth-trunk 1
#
interface GigabitEthernet0/0/2
 eth-trunk 1
#
interface Vlanif100
 ip address 10.0.12.1 255.255.255.0
 #
```

B.

C.

D.

Correct Answer: B
Section: (none)
Explanation

Explanation/Reference:
QUESTION 168
What is the total length of the VLAN frame defined by IEEE 802.1Q?

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

Correct Answer: A
Section: (none)
Explanation

Explanation/Reference:

QUESTION 169
If an Ethernet data frame carries Length/Type = 0x8100, which of the following cannot be the payload of the data frame?

A. RSTP data frame
B. OSPF packet
C. ARP response packet
D. STP data frame

Correct Answer: AD
Section: (none)
Explanation

Explanation/Reference:

QUESTION 170
Which of the following statements about a port on a switch is/are false?

```
interface GigabitEthernet0/0/1
 port link-type trunk
 port trunk pvid vlan 200
 port trunk allow-pass vlan 100
#
```

A. If the port receives data frames without VLAN tags, the switch needs to add VLAN tag 200.
B. If the VLAN tag carried in a data frame is 100, the switch removes the VLAN tag and sends the frame.
C. The link type of the port is trunk.
D. The port cannot send data frames carrying VLAN tag 200.

Correct Answer: C
Section: (none)
Explanation

Explanation/Reference:

QUESTION 171

According to the following topology and configuration, R1 and R2 are connected through low-speed serial cables and PPP is used to encapsulate data link layer packets. When the Holdtime values of R1 and R2 are different, PPP negotiation and communication fail.

R1

S0/0/0

202.10.1.1/24

R2

S0/0/0

202.10.1.2/24

[R1]interface serial0/0/0
[R1-serial0/0/0]ip address 202.10.1.1 255.255.255.0
[R1-serial0/0/0]timer hold 2
#
[R2]interface serial0/0/0
[R2-serial0/0/0]ip address 202.10.1.2 255.255.255.0

A. True
B. False

Correct Answer: B
Section: (none)
Explanation

Explanation/Reference:

QUESTION 172
Which of the following encapsulation modes is/are supported by IPsec VPN?

A. Routing mode
B. Tunnel mode

C. Transport mode

D. Switching mode.

Correct Answer: BC

Section: (none)

Explanation

Explanation/Reference:

QUESTION 173

If the MAC address of an interface is 0EE0-FFFE-0FEC, the corresponding EUI-64 address is ( ).

A. 0CE0-FFFF-FEFE-0FEC

B. 0EE0-FFFF-FEFE-0FEC

C. 0EE0-FFFE-FFFE-0FEC

D. 0CE0-FFFE-FFFE-0FEC

Correct Answer: D

Section: (none)

Explanation

Explanation/Reference:

QUESTION 174

Segment routing-traffic engineering (SR-TE) is a new TE tunneling technology that uses SR as a control protocol. All nodes of an SR-TE tunnel, including the ingress and transit nodes, must be aware of the tunnel and complete label distribution and forwarding.

A. True

B. False

Correct Answer: A

Section: (none)

Explanation

Explanation/Reference: