

H12-211

Number: H12-211  
Passing Score: 800  
Time Limit: 120 min  
File Version: 1

H12-211



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## Exam A

### QUESTION 1

An administrator currently manages AR2200 devices in the network through a single password, however the company wishes to introduce another two administrators and provide unique user credentials and privilege levels for telnet access to the network devices.

What action can be taken? (Choose three)

- A. Configure three users under the AAA-view, and assign each a different password.
- B. The authentication mode must be changed to AAA.
- C. Each administrator must be assigned a privilege level.
- D. A public IP address must be assigned to each user for telnet access

**Correct Answer:** ABC

**Section:** (none)

**Explanation**

**Explanation/Reference:**

### QUESTION 2

On Huawei AR G3 Series routers, which authentication modes does AAA support? (Choose all that apply.)

- A. None



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- B. Local
- C. Radius
- D. 802.1X

**Correct Answer:** ABC

**Section:** (none)

**Explanation**

**Explanation/Reference:**

### QUESTION 3

What of the following statements is correct regarding access control list types and ranges?

- A. A basic ACL value ranges from 1000-2999
- B. An advanced ACL value ranges from 3000-4000
- C. A layer 2 ACL value ranges from 4000-4999
- D. An interface ACL value ranges 1000-2000

**Correct Answer:** C

**Section:** (none)

**Explanation**

**Explanation/Reference:**



### QUESTION 4

```
[RTA]acl 2002
```

```
[RTA-acl-basic-2002]rule permit source 20.1.1.1 0
```

```
[RTA-acl-basic-2002]rule permit source 30.1.1.1 0
```

Refer to the configuration output. A network administrator configured the ACL on router RTA, as shown.

Which of the following statements regarding the rule order are correct? (Choose two).

- A. The rule-number of the first rule is 1
- B. The rule-number of the first rule is 5
- C. The rule-number of the second rule is 2
- D. The rule-number of the second rule is 10

**Correct Answer:** BD

**Section: (none)**

**Explanation**

**Explanation/Reference:**

**QUESTION 5**

```
[RTA]acl 2001
[RTA-acl-basic-2001]rule 20 permit source 20.1.1.0 0.0.0.255
[RTA-acl-basic-2001]rule 10 deny source 20.1.1.0 0.0.0.255
```

Refer to the configuration output. Which of the following statements is correct regarding the configuration of the ACL on RTA?

- A. Packets from network 20.1.1.0/24 network will be denied.
- B. Packets from network 20.1.1.0/24 network will be permitted.
- C. Packets destined for network 20.1.1.0/24 will be denied.
- D. Packets destined for network 20.1.1.0/24 will be permitted.

**Correct Answer: A**

**Section: (none)**

**Explanation**

**Explanation/Reference:**



**QUESTION 6**

```
[RTA]acl 2001
[RTA-acl-basic-2001]rule deny source 172.16.1.1 0.0.0.0
[RTA-acl-basic-2001]rule deny source 172.16.0.0 0.255.0.0
```

Refer to the configuration output. Which of the following statements are correct regarding the configuration of the ACL on RTA? (Choose two).

- A. Packets from network 172.16.1.1/32 will be denied.
- B. Packets from network 172.16.1.0/24 will be denied.
- C. Packets from network 172.17.1.0/24 will be denied.
- D. Packets from network 172.18.0.0/16 will be denied.

**Correct Answer:** AD

**Section:** (none)

**Explanation**

**Explanation/Reference:**

**QUESTION 7**

According to OSI reference model, which layer is responsible for end to end error checking and flow control?

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

**Correct Answer:** D

**Section:** (none)

**Explanation**

**Explanation/Reference:**



**QUESTION 8**

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 9**

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

**Correct Answer:** C

**Section:** (none)

**Explanation**

**Explanation/Reference:**

#### QUESTION 10

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)

- A. ICMP
- B. TCP
- C. ARP
- D. UDP



**Correct Answer:** AC

**Section:** (none)

**Explanation**

**Explanation/Reference:**

#### QUESTION 11

A network administrator recently used tracert to trace the path to the destination IP address of an external website, however the trace path displayed only a timeout result.

Which of the following statements correctly explains the reason for this? (Choose two)

- A. The source router had shutdown the ICMP function.
- B. This destination IP address does not exist.

- C. The gateway cannot find a route to the destination.
- D. This is a normal phenomenon.

**Correct Answer:** BC

**Section:** (none)

**Explanation**

**Explanation/Reference:**

#### QUESTION 12

```
Ping 10.0.0.2: 56 data bytes, press CTRL_C to break
Reply from 10.0.0.2: bytes=800 Sequence=1 ttl=255 time=2 ms
Reply from 10.0.0.2: bytes=800 Sequence=2 ttl=255 time=10 ms
--- 10.0.0.2 ping statistics ---
 2 packet(s) transmitted
 2 packet(s) received
 0.00% packet loss
round-trip min/avg/max = 2/6/10 ms
```



A network administrator uses the ping command to test connectivity to the destination 10.0.0.2 on a Huawei AR series router.

Which statement regarding the output is correct?

- A. The network administrator used the command ping -c 2 -s 800 10.0.0.2 B. The network administrator used the command ping -a 2 -v 800 10.0.0.2
- C. The path between the source and destination is not OK.
- D. The network administrator changed the default TTL value.

**Correct Answer:** A

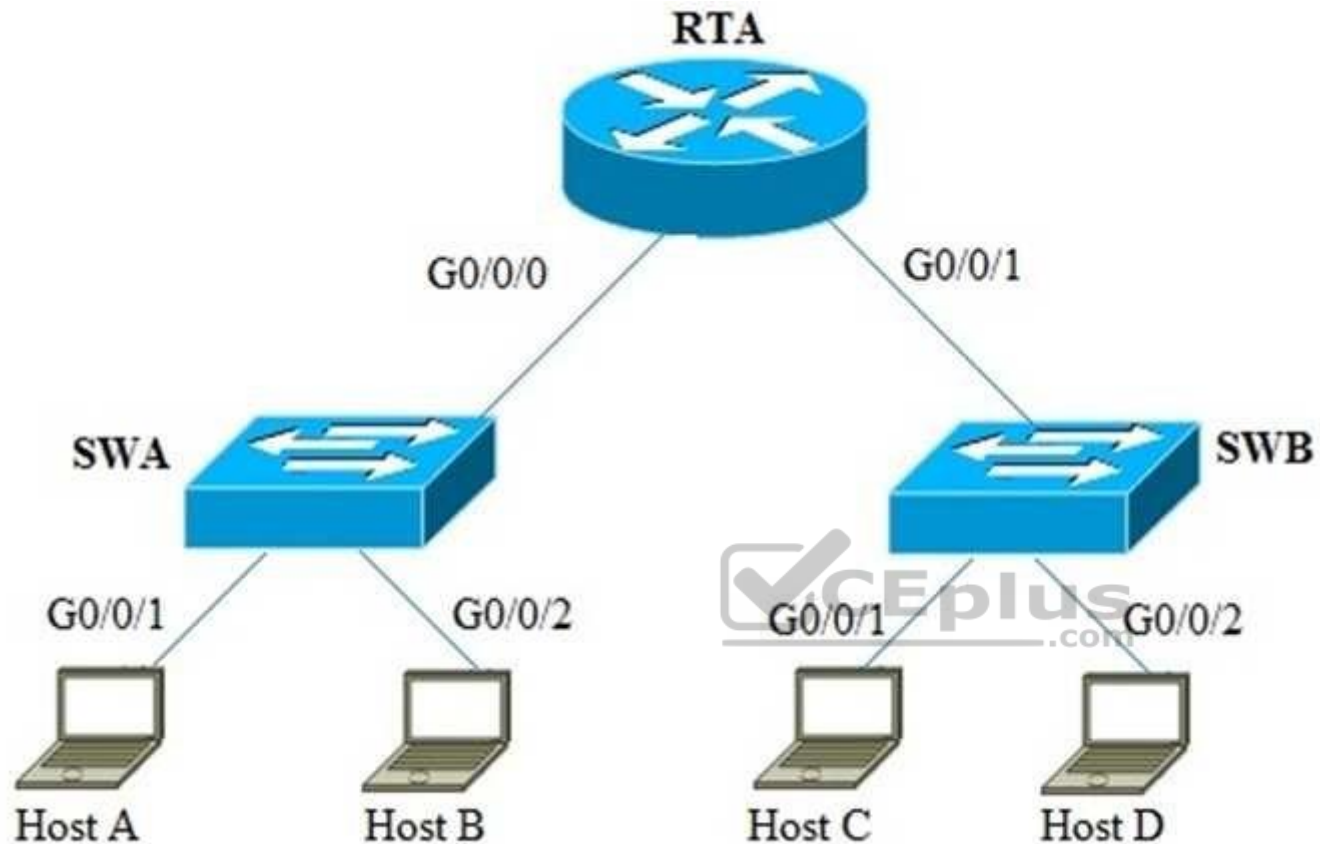
**Section:** (none)

**Explanation**

**Explanation/Reference:**

#### QUESTION 13

Host A wishes to send data to host C, and generates an ARP request to obtain the destination MAC address.



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.

**Correct Answer: A**



**Section: (none)**

**Explanation**

**Explanation/Reference:**

#### **QUESTION 14**

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 15**

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
- B. Netstat
- C. Tracert
- D. Send

**Correct Answer: C**

**Section: (none)**

**Explanation**

**Explanation/Reference:**

**QUESTION 16**

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 17**

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:**

**QUESTION 18**

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 19**

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 20**

UDP is connectionless oriented, which of the following must be used in order to ensure reliability?

- A. Internet Protocol
- B. Application Layer Protocol
- C. Network Layer Protocol
- D. Transmission Control Protocol

**Correct Answer:** B

**Section:** (none)

**Explanation**

**Explanation/Reference:**

**QUESTION 21**

The administrator uses the ping command on the host to test connectivity to the website www.huawei.com. The command line shows a request time out. The administrator displays the ARP entries for the host.

Which entry will be found in the ARP cache table of the host?

- A. The MAC address of the destination www.huawei.com will exist in the ARP cache.
- B. The MAC address of the switch will exist in the ARP cache.
- C. The IP address of the destination www.huawei.com will exist in the ARP cache.
- D. The MAC address of router interface G0/0/0, will exist in the ARP cache.

**Correct Answer:** D

**Section:** (none)

**Explanation**

**Explanation/Reference:**

**QUESTION 22**

When R2 forwards data to R3 from R1, which of the following items will change? (Choose two)

- A. The source MAC address
- B. The destination MAC address
- C. The source IP address
- D. The destination IP address

**Correct Answer:** AB

**Section:** (none)

**Explanation**

**Explanation/Reference:**

**QUESTION 23**

If Host B also configured the IP address as “192.168.1.1/24”, an IP address config will occur. What will happen as a result?

- A. Host B will send an ICMP request to the destination with the configured IP address. If a reply is received, the host will notify of an address conflict.

- B. Host A will send a gratuitous ARP request to resolve the MAC address of the destination 192.168.1.1, for which Host B will reply.
- C. Host B will send a gratuitous ARP request to resolve the MAC address of the destination 192.168.1.1, for which Host A will reply.
- D. Host A will ignore any received ARP request intended for destination 192.168.1.1.

**Correct Answer:** C

**Section:** (none)

**Explanation**

**Explanation/Reference:**

#### **QUESTION 24**

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 25**

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 26**

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 27**

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 28**

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 29

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 30

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 31**

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**

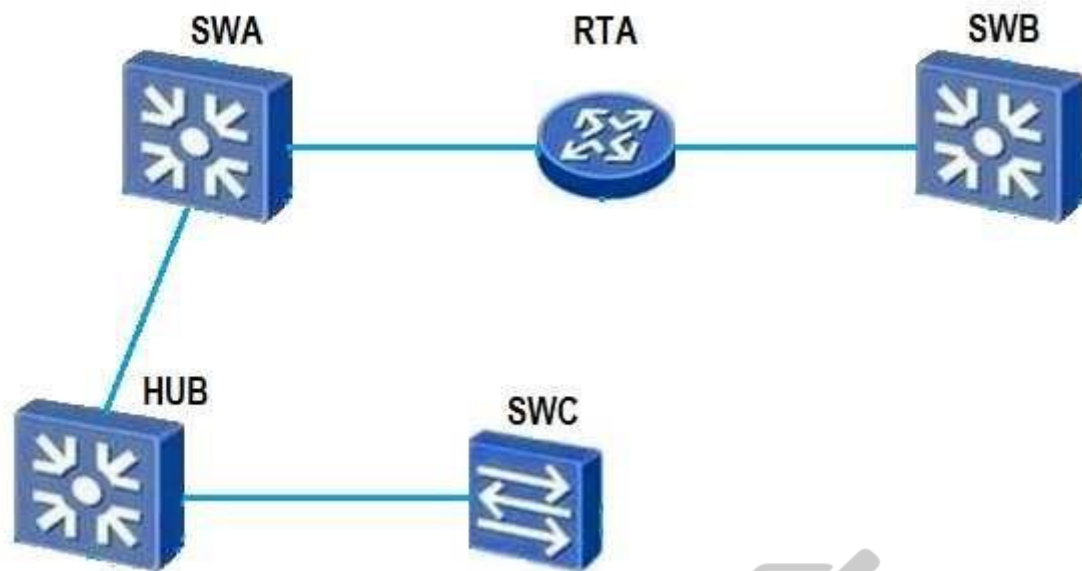
**Explanation/Reference:**



### **QUESTION 32**

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

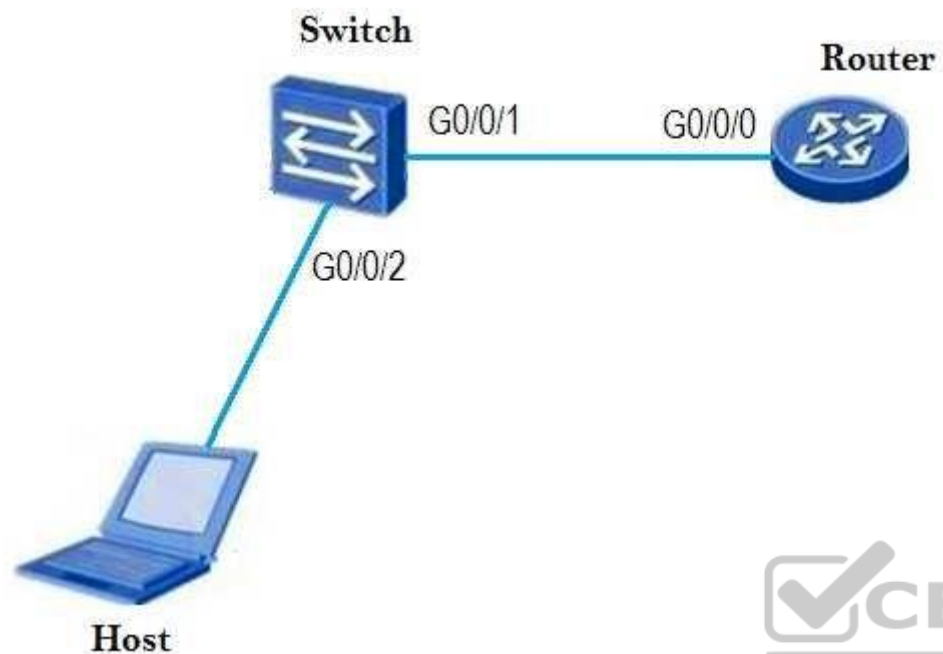
**Section:** (none)

**Explanation**

**Explanation/Reference:**

### QUESTION 33

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 34**

The administrator wishes to update the configuration file of an AR2200 router using a USB cable.

How can this be achieved? (Choose all that apply.)

- A. The administrator should connect the USB cable between the terminal and the mini USB port of the AR2200 router.
- B. The administrator should connect the USB cable between the terminal and the USB port of the AR2200 router.
- C. The AR2200 router cannot support configuration updates through a USB cable.
- D. The administrator should install the mini USB drivers on the terminal after connecting the USB.

**Correct Answer:** AD

**Section:** (none)

**Explanation**

**Explanation/Reference:**

**QUESTION 35**

Whilst configuring a device, an administrator experiences trouble remembering certain commands. Which of the following will help support the administrator? (Choose two)

- A. TAB
- B. question mark
- C. ctrl+b
- D. ctrl+c

**Correct Answer:** AB

**Section:** (none)

**Explanation**

**Explanation/Reference:**

**QUESTION 36**

Which of the following is abbreviation of VRP?

- A. Versatile Routine Platform

- B. Virtual Routing Platform
- C. Virtual Routing Plane
- D. Versatile Routing Platform

**Correct Answer:** D

**Section:** (none)

**Explanation**

**Explanation/Reference:**

#### **QUESTION 37**

Which of the following must be used to establish the configuration environment when a router is powered on for the first time?

- A. SSL
- B. SSH
- C. Console port
- D. Telnet

**Correct Answer:** C

**Section:** (none)

**Explanation**

**Explanation/Reference:**

#### **QUESTION 38**

Which of the following commands is used to enter the system-view from the user view on a Huawei router?

- A. system-view
- B. enable
- C. configure terminal
- D. interface system

**Correct Answer:** A

**Section:** (none)

**Explanation**



**Explanation/Reference:**

**QUESTION 39**

On VRP platform, the command lines are classified into four levels in increasing priority: Visit level, Monitoring level, Configuration level, and Management level. At which level, the operator is permitted to configure service but is not permitted to operate the file system?

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

**Correct Answer: C**

**Section: (none)**

**Explanation**

**Explanation/Reference:**

**QUESTION 40**

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 41**

<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 42

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 43

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 44**

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 45**

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 46**

```
<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 47

```
<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 48**

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 49**

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 50

```
[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 51

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.



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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 52

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 53

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

**Section:** (none)

**Explanation**

**Explanation/Reference:**

#### **QUESTION 54**

If Frame Relay implements dynamic address mapping for the PVC, which protocol will be used?

- A. LMI protocol
- B. ARP protocol
- C. RARP protocol
- D. InARP protocol

**Correct Answer:** D

**Section:** (none)

**Explanation**

**Explanation/Reference:**

#### **QUESTION 55**

Which command should be used to check the mapping between protocol addresses and frame relay addresses?

- A. display fr interface
- B. display fr map-info
- C. display fr inarp-info
- D. display interface brief

**Correct Answer:** B

**Section:** (none)

**Explanation**



**Explanation/Reference:**

**QUESTION 56**

Which of the following protocols is used in Frame Relay to map the address to DLCI dynamically?

- A. ARP protocol
- B. RARP protocol
- C. InARP protocol
- D. Map protocol

**Correct Answer:** C

**Section:** (none)

**Explanation**

**Explanation/Reference:**

**QUESTION 57**

Which of the following parameters must be specified when configuring static mapping for Frame Relay network? (Choose two)

- A. Local DLCI
- B. Remote DLCI
- C. Local network layer protocol address
- D. Remote network layer protocol address

**Correct Answer:** AD

**Section:** (none)

**Explanation**

**Explanation/Reference:**

**QUESTION 58**

Which of the following commands is used to enable dynamic address mapping protocol in the interface encapsulated with Frame Relay?

- A. fr inarp
- B. fr reverse-arp
- C. inverse-arp

D. reverse-arp

**Correct Answer:** A

**Section:** (none)

**Explanation**

**Explanation/Reference:**

#### QUESTION 59

Which of following may be the reasons that cause Frame Relay PVC to work abnormally? (Choose three)

- A. Same DLCI number is configured on the same router
- B. LMI type mismatch
- C. Frame Relay encapsulation type mismatch
- D. Incorrect configuration of the DLCI number

**Correct Answer:** BCD

**Section:** (none)

**Explanation**

**Explanation/Reference:**



#### QUESTION 60

An administrator wishes to implement new features in the network, but the VRP version of one AR2200 router is out of date. The administrator needs to upgrade the VRP software.

Which of the following options regarding file transfer is false?

- A. The AR2200 router can function as a TFTP client to support the upgrade.
- B. The AR2200 router can function as the TFTP server to support the upgrade.
- C. The AR2200 router can function as the FTP server to support the upgrade.
- D. The AR2200 router can function as an FTP client to support the upgrade.

**Correct Answer:** B

**Section:** (none)

**Explanation**

**Explanation/Reference:**

**QUESTION 61**

An administrator discovered he/she was unable to use TFTP to transfer files to the router.  
Which of the following describes the likely reason for this?

- A. The TFTP service had been disabled on the router.
- B. TCP port 69 of the server had been blocked.
- C. UDP port 69 of the server had been blocked.
- D. The username and password had been modified.

**Correct Answer: C**

**Section: (none)**

**Explanation**

**Explanation/Reference:**

**QUESTION 62**

A client failed to transfer a file to the FTP server, but found the IP connectivity was without problem. The client assumed that the problem was with the port configuration.

The blocking of which ports would likely cause this problem? (Choose two)

- A. 21
- B. 80
- C. 20
- D. 50649

**Correct Answer: AC**

**Section: (none)**

**Explanation**

**Explanation/Reference:**

**QUESTION 63**

When using VRP, which of the following commands is used to configure the data link layer encapsulation type of a serial interface as HDLC?

- A. encapsulation hdlc
- B. link-protocol hdlc
- C. hdlc enable
- D. link-protocol ppp

**Correct Answer:** B

**Section:** (none)

**Explanation**

**Explanation/Reference:**

#### QUESTION 64

If AH and ESP are both required to protect data streams between IPsec peers, how many Security Associations (SA) are required in total?

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



**Correct Answer:** D

**Section:** (none)

**Explanation**

**Explanation/Reference:**

#### QUESTION 65

Two routers establish an IPsec tunnel, which of the following does not need to be the same on both peering devices?

- A. Encapsulation mode
- B. Transform mode
- C. Proposal name
- D. authentication algorithm



**Correct Answer:** C

**Section:** (none)

**Explanation**

**Explanation/Reference:**

**QUESTION 66**

The IPv6 address architecture does not include which of the following address types?

- A. unicast
- B. multicast
- C. broadcast
- D. anycast

**Correct Answer:** C

**Section:** (none)

**Explanation**

**Explanation/Reference:**



**QUESTION 67**

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 68**

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 69

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 70

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 71**

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 72**

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 73**

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 74

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 75

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. NAT

**Correct Answer:** C

**Section:** (none)

**Explanation**

**Explanation/Reference:**

#### **QUESTION 76**

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 77**

[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 78**

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 79**

Which of the following items can be translated by NAT?

- 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 80**

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 81

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 82

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 83

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 84

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 85**

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 86**

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 87**

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 88**

With what kind of routers does a DRother router exchange link state information and route information? (Choose two)

- A. DR
- B. BDR
- C. DRother
- D. All OSPF neighbors

**Correct Answer:** AB

**Section:** (none)

**Explanation**

**Explanation/Reference:**



#### **QUESTION 89**

An OSPF area is a collection of a group of routers and networks. OSPF defines that routers that have the same ( ) belong to the same OSPF area.

- A. neighbors
- B. LSDB
- C. LSA
- D. adjacency

**Correct Answer:** B

**Section:** (none)

**Explanation**

**Explanation/Reference:**

#### **QUESTION 90**

Which of the following statements about router IDs are true? (Choose two)

- A. The routers contained in the same LSDB have the same router ID.
- B. Each router in an OSPF network must have a unique router ID.
- C. Two routers in different OSPF areas can have the same router ID.
- D. A router ID is expressed in a 32-bit dotted decimal format.

**Correct Answer:** BD

**Section:** (none)

**Explanation**

**Explanation/Reference:**

#### QUESTION 91

OSPF allows for “multiple” processes. By default, OSPF selects a process whose number is ( ).

- A. 0
- B. 1
- C. 10
- D. 100



**Correct Answer:** B

**Section:** (none)

**Explanation**

**Explanation/Reference:**

#### QUESTION 92

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 93**

Destination/Mask protocol pre Cost Nexthop Interface

9.0.0.0/8 OSPF 10 50 1.1.1.1 Serial 1/0/0

9.1.0.0/16 RIP 100 5 2.2.2.2 Ethernet 0/0/1

Refer to the graphic. Which of the following statements is correct when this router forwards the packet to the destination host 9.1.4.5?

- A. The router selects the first entry to match the destination address of the packet because the preference of OSPF is higher than the preference of RIP.
- B. The router selects the second entry to match the destination address of the packet because the cost of RIP is lower than that of OSPF.
- C. The router selects the second entry to match the destination address of the packet because the outgoing interface is an Ethernet interface. The forwarding speed of an Ethernet interface is faster than the forwarding speed of a serial interface
- D. The router selects the second entry to match the destination address of the packet because the router will match the most specific address.

**Correct Answer: D**

**Section: (none)**

**Explanation**

**Explanation/Reference:**

#### **QUESTION 94**

According to the default value of route preference on the VRP platform, which of the following represent the correct sequence for direct route, static route, RIP and OSPF if they are listed from high preference to low preference?

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

**Correct Answer: B**

**Section: (none)**

**Explanation**

**Explanation/Reference:**

**QUESTION 95**

Assume that the router has learnt the best route to the same destination by using RIP, OSPF and Static Route respectively. By default, the Huawei router will select the route learnt via ( ) as the best route.

- A. RIP
- B. OSPF
- C. RIPv2
- D. Static route

**Correct Answer: B**

**Section: (none)**

**Explanation**

**Explanation/Reference:**



**QUESTION 96**

After checking the OSPF neighbor state, the administrator discovers that the router has established a TWOWAY state with the peering router.

What can be understood from this information? (Choose two)

- A. The routers are configured using the same process ID
- B. The routers are configured using the same area ID
- C. The routers are configured using wrong router ID
- D. The routers are considered DROthers in a broadcast network

**Correct Answer: CD**

**Section: (none)**

**Explanation**

**Explanation/Reference:**

**QUESTION 97**

What are the three protocol components defined by PPP? (Choose three).

- A. Data encapsulation.
- B. LCP
- C. NCP
- D. IPCP

**Correct Answer:** ABC

**Section:** (none)

**Explanation**

**Explanation/Reference:**

**QUESTION 98**

Two routers are connected via serial interfaces, for which the link-protocol is PPP. The network administrator wishes to configure PPP authentication to improve security on this link.

Which PPP authentication method provides a more secure solution?

- A. CHAP
- B. PAP
- C. MD5
- D. SSH

**Correct Answer:** A

**Section:** (none)

**Explanation**

**Explanation/Reference:**

**QUESTION 99**

Two routers are connected via serial interfaces and the link-protocol is PPP, but the MRU of two serial interfaces are different, in PPP LCP negotiated stage, what will happen?

- A. LCP negotiation will fail
- B. Negotiation will use the smaller value

- C. Negotiation will use the larger value
- D. Negotiation will use 1500

**Correct Answer:** B

**Section:** (none)

**Explanation**

**Explanation/Reference:**

#### **QUESTION 100**

PPP is more secure than HDLC because PPP supports authentication protocols such as ( ). (Choose two)

- A. PAP
- B. MD5
- C. CHAP
- D. SSH

**Correct Answer:** AC

**Section:** (none)

**Explanation**

**Explanation/Reference:**



#### **QUESTION 101**

When configuring the PPP authentication method as PAP, which of the following operations are necessary? (Choose three)

- A. Add the user name and password of the authenticated party to the local user list.
- B. Configure the encapsulation type of the interface connected to the peer as PPP.
- C. Configure PPP authentication method as CHAP.
- D. On the authenticated party end, configure the user name and password that are sent to authenticator.

**Correct Answer:** ABD

**Section:** (none)

**Explanation**

**Explanation/Reference:**

**QUESTION 102**

What is the function of the “ip address ppp-negotiate” command?

- A. Enables the function of requesting for an IP address from the peer device.
- B. Enables the function of accepting the request for an IP address from the remote device.
- C. Enables the function of statically allocating IP addresses to the peer.
- D. None of the above.

**Correct Answer:** A

**Section:** (none)

**Explanation**

**Explanation/Reference:**

**QUESTION 103**

Two routers have established a point-to-point network using PPP. The administrator has configured the routers to run OSPF in the same area with the same router ID, what behavior will occur as a result of the configuration?

- A. The routers will build a neighbor relationship even though both routers are using the same router ID.
- B. VRP will notify of a router ID conflict between the two routers.
- C. The routers will build an adjacency even though both routers are using the same router ID.
- D. The routers will not send hello packets to each other because they are using the same router ID.

**Correct Answer:** B

**Section:** (none)

**Explanation**

**Explanation/Reference:**

**QUESTION 104**

When configuring a router as a PPPoE client, which configuration is not necessary?

- A. Configuration of the dialer-rule
- B. Configuration of the dialer interface
- C. Configuration of an IP address on the dialer interface



D. Configuration of a password on the dialer interface

**Correct Answer:** C

**Section:** (none)

**Explanation**

**Explanation/Reference:**

**QUESTION 105**

Which command can be used to check the PPPoE client session status?

- A. display ip interface brief
- B. display current-configuration
- C. display pppoe-client session packet
- D. display pppoe-client session summary

**Correct Answer:** D

**Section:** (none)

**Explanation**

**Explanation/Reference:**



**QUESTION 106**

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 107**

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 108

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 109

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 110**

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 111**

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

- A. True
- B. False

**Correct Answer: A**

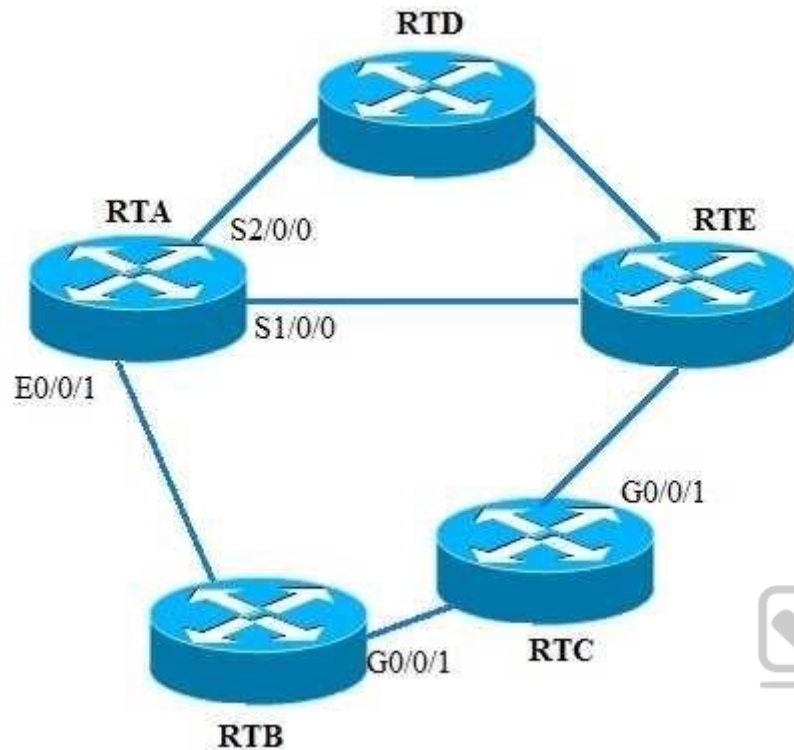
**Section: (none)**

**Explanation**

**Explanation/Reference:**

**QUESTION 112**

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 113**

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

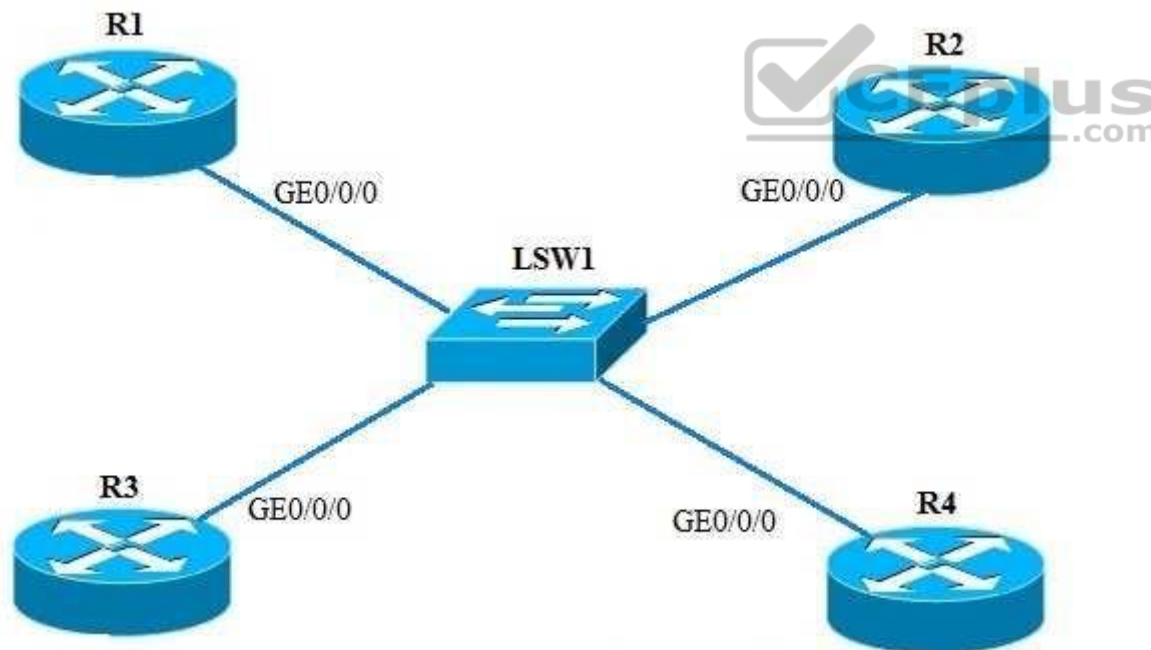
**Section:** (none)

**Explanation**

**Explanation/Reference:**

#### QUESTION 114

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 115**

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 116**

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 117**

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 118**

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 119**

The network administrator creates VLAN 10 and assigns an IP address to VLANIF10. When using the command “display ip interface brief”, the administrator finds that VLANIF10 is down. What should be done to enable VLANIF10?

- A. Use the command “undo shutdown” under the interface view for VLANIF10
- B. Assign a physical interface that has either an active or inactive physical state to VLAN 10
- C. Assign only a physical interface that has an active physical state to VLAN 10
- D. Add an interface that has an active physical state and a trunk port associated with VLAN 10

**Correct Answer:** C

Section: (none)

Explanation

Explanation/Reference:

#### QUESTION 120

Refer to the graphic. GE0/0/1 and GE0/0/2 on the switch are configured as hybrid interfaces. Which of the following statements are true? (Choose all that apply)





```
[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 hybrid untagged vlan 10 20
[LSW1 - GigabitEthernet0/0/2]port hybrid pvid vlan 20
```

- A. The administrative department and the finance department cannot communicate with each other because the VLANs of the two departments are different.
- B. The data frames sent by the administrative department carry tagged VLAN 20 on the switch.
- C. On the switch, the data frames sent by the finance department carry tagged VLAN 20.
- D. The switch can be a Layer 2 or Layer 3 switch because communications do not need to be transmitted through a Layer 3 gateway.
- E. If GE0/0/1 and GE0/0/2 on the switch are changed to trunk ports, the administrative department and finance department can communicate with each other.

**Correct Answer:** BC

**Section:** (none)

**Explanation**

**Explanation/Reference:**

#### QUESTION 121

On the VRP, what is the function of the "interface vlanif <vlan-id>" command?

- A. It is used to create a VLANIF interface
- B. It is used to create a VLANIF interface and enter the VLANIF interface view
- C. It is used to configure a VLAN for a VLANIF interface
- D. There is no such command

**Correct Answer:** B

**Section: (none)**

**Explanation**

**Explanation/Reference:**

**QUESTION 122**

On an FR network, the DLCI identifies a virtual circuit on an interface. The DLCI must be unique during planning and deployment.

- A. True
- B. False

**Correct Answer: B**

**Section: (none)**

**Explanation**

**Explanation/Reference:**

**QUESTION 123**

An ACL does not filter traffic generated by the Huawei device towards other devices, but only filters forwarded traffic, including traffic generated by other devices to access the Huawei device.

- A. True
- B. False

**Correct Answer: A**

**Section: (none)**

**Explanation**

**Explanation/Reference:**

**QUESTION 124**

Which of the following statements are true about ACL deployment on Huawei devices? (Choose all that apply)

- A. ACL can only be used in the outbound direction of an interface
- B. The same ACL can be used on multiple interfaces

- C. The ACL rules can only be configured in the following sequence: 10, 20, 30...
- D. ACLs cannot be used to filter OSPF traffic because OSPF does not use UDP to encapsulate packets
- E. ACLs can be used to match with the TCP/UDP port IDs of packets and to designate the port ID range

**Correct Answer:** BE

**Section:** (none)

**Explanation**

**Explanation/Reference:**

#### **QUESTION 125**

SNMP packets are encapsulated in TCP packets.

- A. True
- B. False

**Correct Answer:** B

**Section:** (none)

**Explanation**

**Explanation/Reference:**



#### **QUESTION 126**

In OSPFv3, router IDs can be used automatically generated by the system.

- A. True
- B. False

**Correct Answer:** A

**Section:** (none)

**Explanation**

**Explanation/Reference:**

#### **QUESTION 127**

Refer to the graphic, 00e0-fc99-9999 is a specific host MAC address learned by a switch through ARP and the host changes the IP address three times.

<Huawei>display arp dynamic

IP ADDRESS	MAC ADDRESS	EXPIRE(M)	TYPE	INTERFACE	VPN-INSTANCE	VLAN/CEVLAN	PVC
10.137.217.210	00e0-fc01-0203		-	Ethernet1/0/0			
10.2.2.1	00e0-fc99-9999		-	Eth-Trunk0			
192.168.20.1	00e0-fc99-9999		-	Vlanif100			
10.0.0.1	00e0-fc99-9999		-	Vlanif200			
<hr/>							
Total:7	Dynamic:2	Static:0	Interface:5				

- A. TRUE
- B. FALSE

**Correct Answer:** A

**Section:** (none)

**Explanation**



**Explanation/Reference:**

#### QUESTION 128

There are two routers (RTA and RTB) between the source device and destination device. The Tracert command is used to detect the path between the two devices. During detection of the first hop (RTA), the source device sends a UDP packet with a TTL of 1 to an interface with a large interface number on the destination device. The TTL turns to 0 when the packet arrives at RTB, upon which RTA sends an ICMP \_\_\_\_\_ message to the source device.

- A. Time Exceeded.
- B. Echo Request.
- C. Echo Reply.
- D. Port Unreachable.

**Correct Answer:** A

**Section:** (none)

**Explanation**

**Explanation/Reference:**

**QUESTION 129**

Which of the following statements are true about ICMP messages? (Multiple Choice)

- A. ICMP messages can record time, including the original time, packet receiving time, and packet sending time.
- B. ICMP messages are encapsulated in IP packets but not at the transport layer.
- C. ICMP messages include error messages, control messages, request/response messages, and update messages.
- D. ICMP does not support redirection.
- E. ICMP messages cannot be used to detect a path's MTU.

**Correct Answer:** BC

**Section:** (none)

**Explanation**

**Explanation/Reference:**

**QUESTION 130**

If a network's broadcast address is 172.16.1.255, which of the following addresses can be the network address?

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

**Correct Answer:** C

**Section:** (none)

**Explanation**

**Explanation/Reference:**

**QUESTION 131**

On the command line interface of Huawei AR routers, the role of the Save command is to Save the current system time.

- A. TRUE
- B. FALSE

**Correct Answer:** B

**Section:** (none)

**Explanation**

**Explanation/Reference:**

**QUESTION 132**

Which of the following technologies is used to bind MAC addresses to interfaces on a switch?

- A. SEP.
- B. Port security.



<https://vceplus.com/>

C. ACL.

D. NAT.

**Correct Answer:** B

**Section:** (none)

**Explanation**

**Explanation/Reference:**

**QUESTION 133**

In RSTP, a backup port can replace a faulty root port.

- A. TRUE
- B. FALSE

**Correct Answer:** A

**Section:** (none)

**Explanation**

**Explanation/Reference:**

**QUESTION 134**

During STP calculation, the port cost is associated with port bandwidth. Which of the following statements about the relation between port cost and port bandwidth is true?

- A. Port cost decreases when port bandwidth increases.
- B. Port cost increases when port bandwidth increases.
- C. Port cost is consistent with port bandwidth.
- D. Port cost varies randomly according to port bandwidth.

**Correct Answer:** A

**Section:** (none)

**Explanation**

**Explanation/Reference:**



**QUESTION 135**

Which of the following descriptions about STP are incorrect? (Multiple Choice)

- A. A layer-2 switching network can have only one designated switch.
- B. All the ports of the root switch are root ports.
- C. All the ports of the root switch are designated ports.
- D. The switch with the smallest priority value is elected as non-root switch.

**Correct Answer:** BD

**Section:** (none)

**Explanation**

**Explanation/Reference:**

**QUESTION 136**

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



```
[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 100.1.1.0 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 137

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 138

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 2``undo 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 139**

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 140**

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 141**

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 142

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

- A. TRUE
- B. FALSE

**Correct Answer:** B

**Section:** (none)

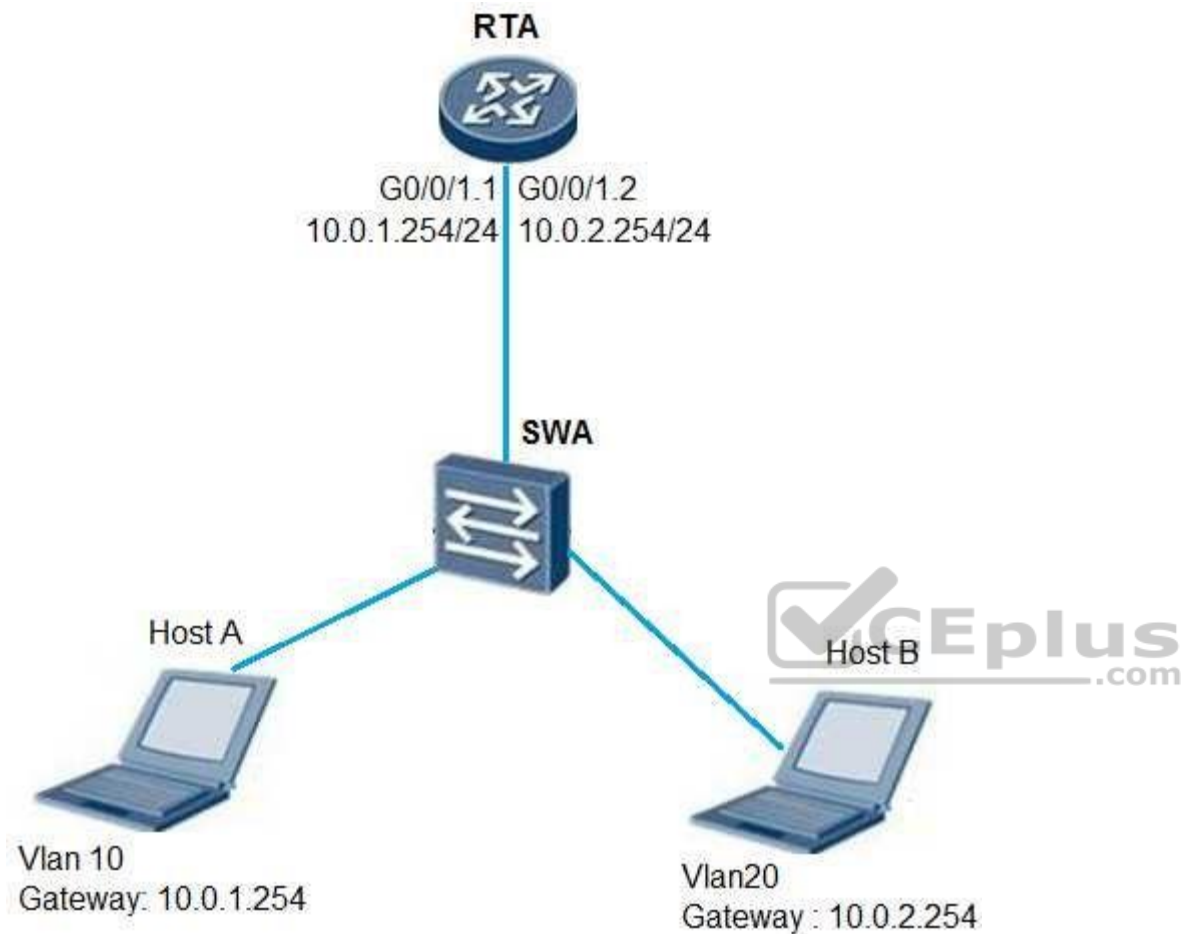
**Explanation**

**Explanation/Reference:**

#### QUESTION 143

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**

**Section: (none)**

**Explanation**

**Explanation/Reference:**

#### **QUESTION 144**

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 145**

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 146**

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 147**

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 148

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 149**

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



- 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 150**

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)**

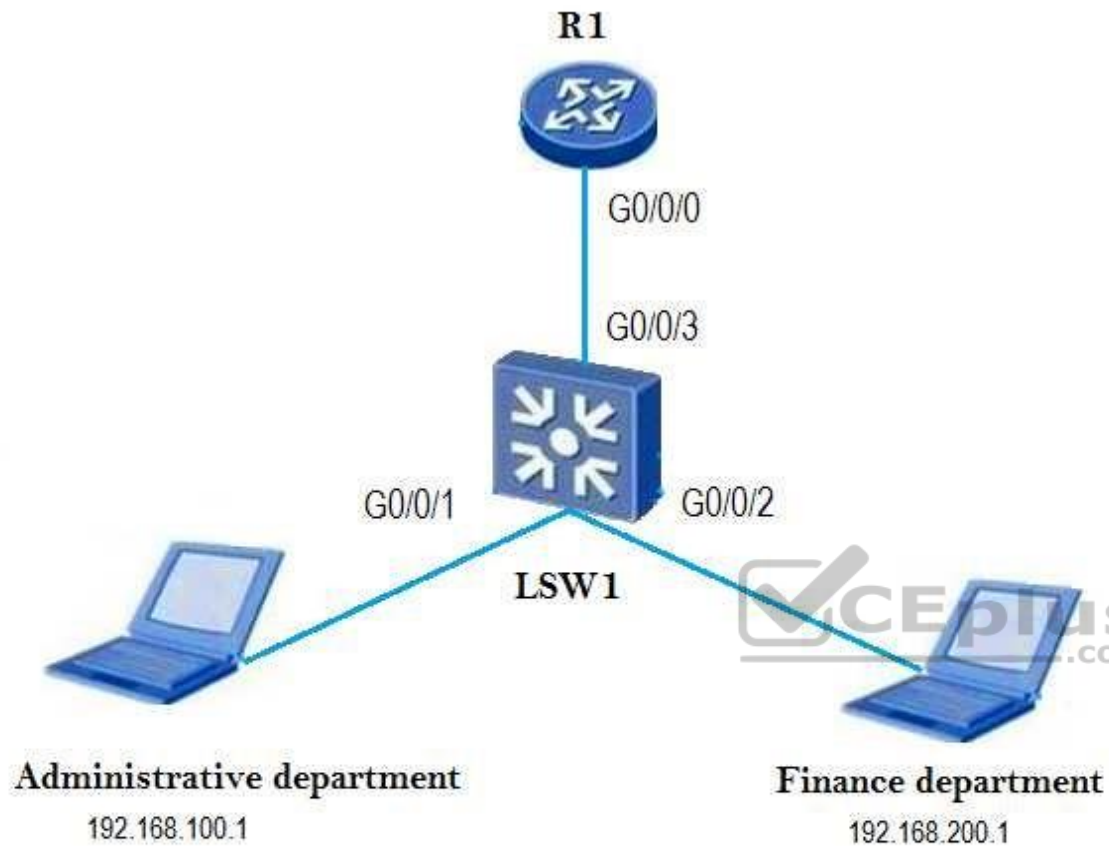
**Explanation**

**Explanation/Reference:**

**QUESTION 151**

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] interface GigabitEthernet0/0/0.1
[R1-GigabitEthernet0/0/0.1] dot1q termination vid 10
[R1-GigabitEthernet0/0/0.1] ip address 192.168.100.254.255.255.0
[R1] interface GigabitEthernet0/0/0.2
[R1-GigabitEthernet0/0/0.2] dot1q termination vid 20
[R1-GigabitEthernet0/0/0.2] ip address 192.168.100.254.255.255.0
```

A. True

B. False

**Correct Answer:** B

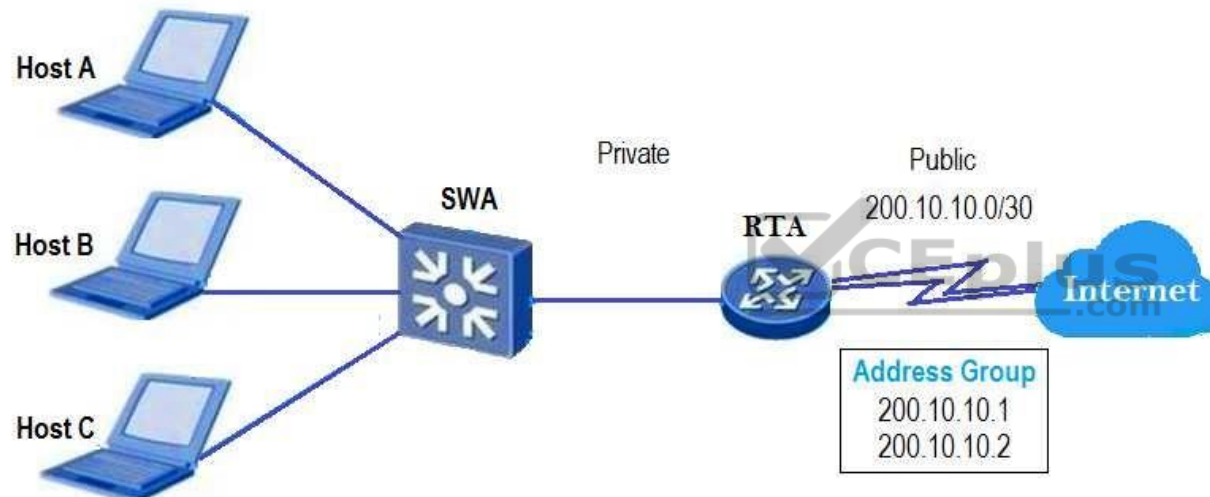
**Section:** (none)

**Explanation**

**Explanation/Reference:**

### QUESTION 152

Refer to the graphic.



In the private network, RTA dynamically assigns a public address from the address pool to hosts without port translation. Host C wishes to access the public network while addresses are assigned to Host A and Host B. What will occur as a result?

- A. The first public address will be allocated to Host C, and Host A will be forced offline.
- B. The last public address will be allocated to Host C, and Host B will be forced offline.
- C. Host C will be unable to forward traffic over the public network.
- D. All hosts will have access to the public network through pool address swapping.

**Correct Answer:** C

**Section: (none)**

**Explanation**

**Explanation/Reference:**

**QUESTION 153**

In RSTP mode, both alternate and backup ports cannot forward user traffic but can receive, process, and send BPDU.

- A. True
- B. False

**Correct Answer: A**

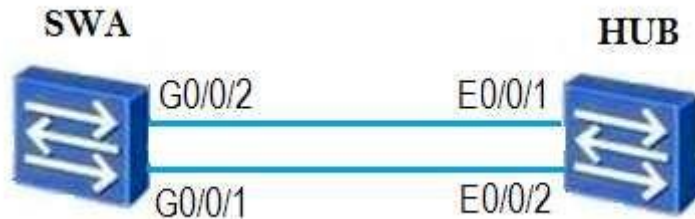
**Section: (none)**

**Explanation**

**Explanation/Reference:**

**QUESTION 154**

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

**Correct Answer: A**

**Section: (none)**

**Explanation**

**Explanation/Reference:**

**QUESTION 155**

How can the default route be generated? (Choose all that apply.)

- A. Manually configured.
- B. Automatically generated by the router.
- C. Generated by dynamic routing protocols.
- D. Generated by link layer protocols.

**Correct Answer: AC**

**Section: (none)**

**Explanation**

**Explanation/Reference:**



**QUESTION 156**

Refer to the graphic.

[Huawei] display ip routing-table  
Route Flags: R - relay, D - download to fib

Routing Tables: Public Destinations : 9 Routes : 9						
Destination/Mask	Proto	Pre	Cost	Flags	NextHop	Interface
1.1.1.1/32	Static	60	0	D	100.1.1.1	GigabitEthernet0/0/0
100.1.1.0/24	Direct	0	0	D	100.1.1.1	GigabitEthernet0/0/0
100.1.1.1/32	Direct	0	0	D	127.0.0.1	GigabitEthernet0/0/0
103.0.0.0/26	Direct	0	0	D	103.0.0.1	GigabitEthernet0/0/2
103.0.0.1/32	Direct	0	0	D	127.0.0.1	GigabitEthernet0/0/2
127.0.0.0/8	Direct	0	0	D	127.0.0.1	InLoopback0
127.0.0.1/32	Direct	0	0	D	127.0.0.1	InLoopback0
200.1.1.0/24	Direct	0	0	D	200.1.1.1	GigabitEthernet0/0/1
200.1.1.0/32	Direct	0	0	D	127.0.0.1	GigabitEthernet0/0/1

The routing table includes direct routes and static routes and the preference of the direct routes cannot be changed.

- A. True
- B. False

**Correct Answer:** A

**Section:** (none)

**Explanation**

**Explanation/Reference:**

#### QUESTION 157

Refer to the configuration output.

```
[Huawei-GigabitEthernet0/0/0.1] port link-type access
[Huawei-GigabitEthernet0/0/0.1] port default vlan 10
[Huawei-GigabitEthernet0/0/0.2] port link-type trunk
[Huawei-GigabitEthernet0/0/0.2] port trunk-allow pass vlan 10
```

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

- A. The PVID on interface GigabitEthernet0/0/1 is 10.
- B. The PVID on interface GigabitEthernet0/0/1 is 1.
- C. The PVID on interface GigabitEthernet0/0/2 is 10.
- D. The PVID on interface GigabitEthernet0/0/2 is 1.

**Correct Answer:** AD

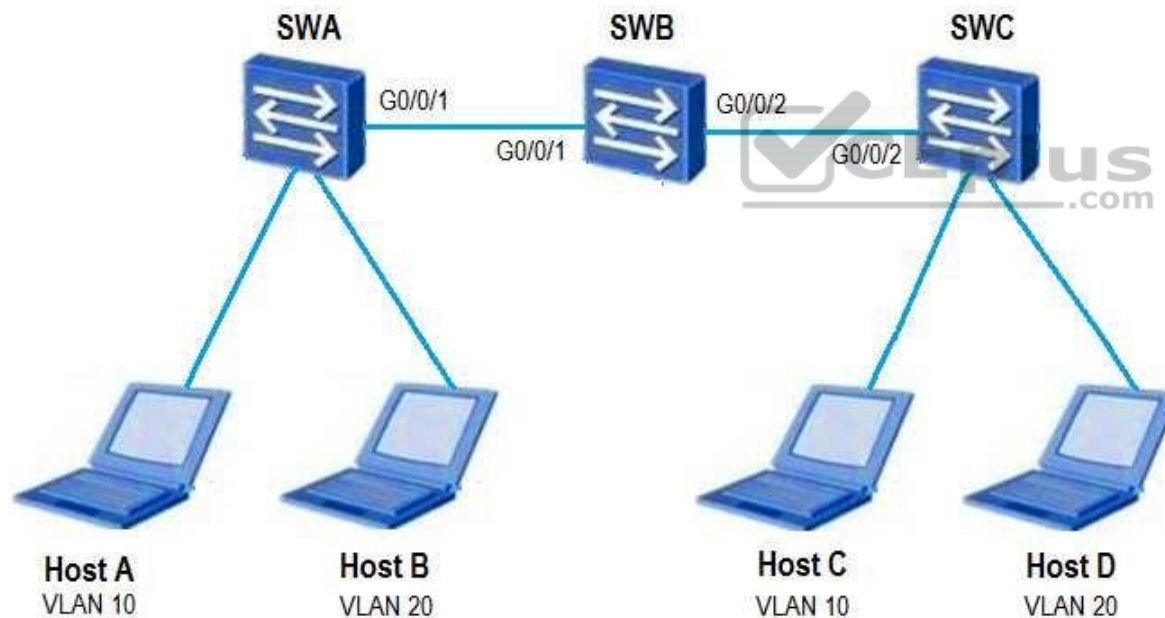
**Section:** (none)

**Explanation**

**Explanation/Reference:**

#### QUESTION 158

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

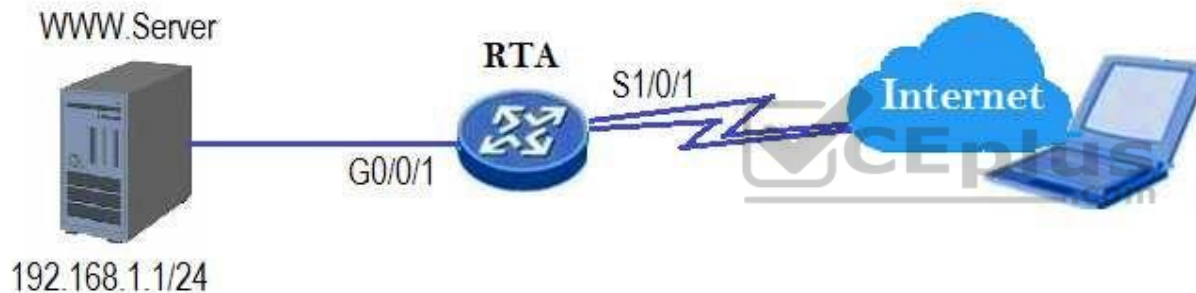
**Section:** (none)

**Explanation**

**Explanation/Reference:**

#### QUESTION 159

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)

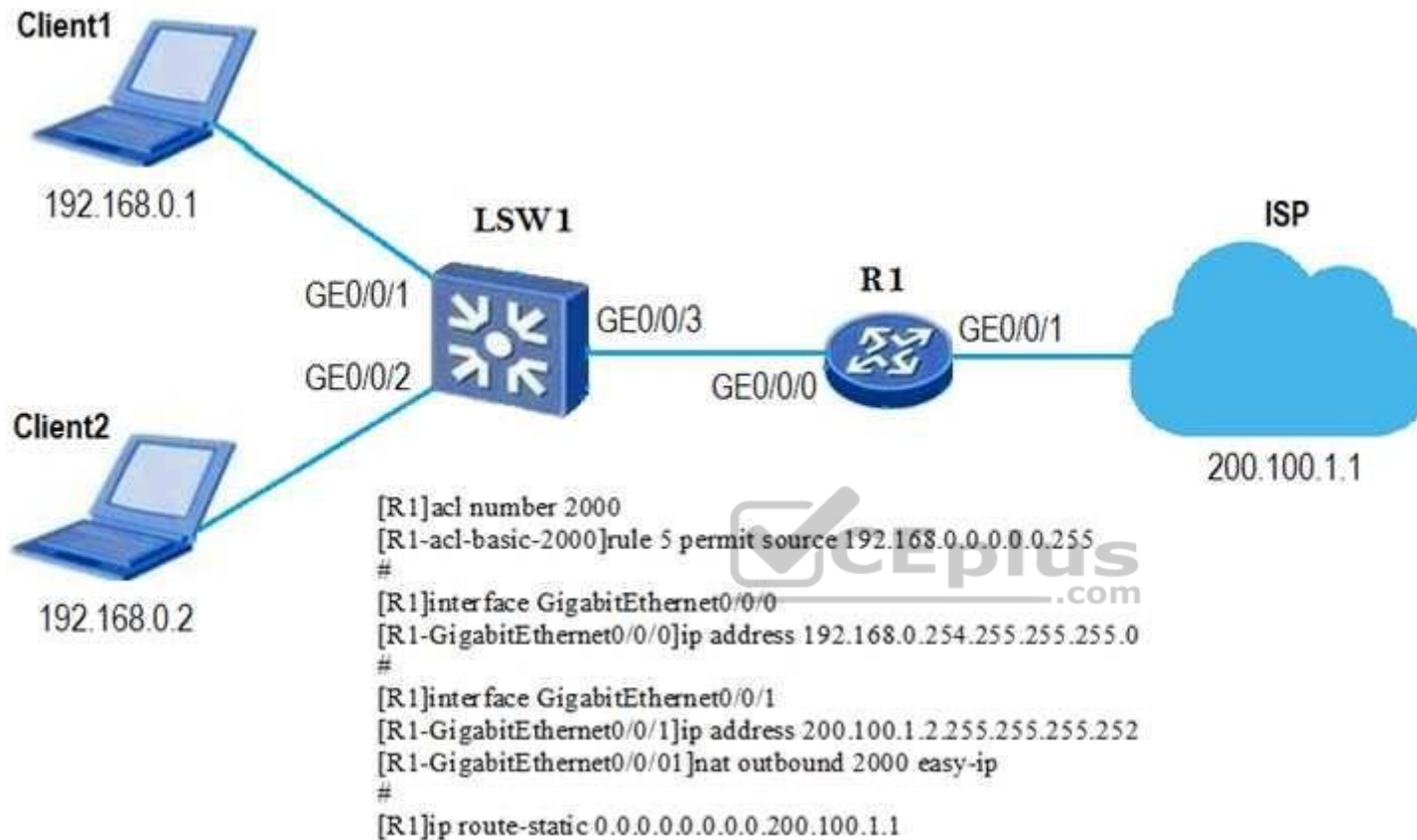
**Explanation**

**Explanation/Reference:**



### QUESTION 160

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



- A. True
- B. False

**Correct Answer:** A

**Section:** (none)

**Explanation**

**Explanation/Reference:**



**QUESTION 161**

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 162**

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 163**

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/ VSI/SI	PEVLAN	CEVLAN	Port	Type	LSP/LSR-ID
					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/ VSI/SI	PEVLAN	CEVLAN	Port	Type	LSP/LSR-ID
					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 164**

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/ VSI/SI	PEVLAN	CEVLAN	Port	Type	LSP/LSR-ID
					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 165

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

**Section: (none)**

**Explanation**

**Explanation/Reference:**

**QUESTION 166**

Which of the following statements are true about STP BPDUs?

- A. During initialization, each switch enabled with STP proactively sends configuration BPDUs.
- B. BPDUs are encapsulated in Ethernet frames and the destination MAC address is a multicast MAC address.
- C. After STP is enabled on a port, the switch periodically sends TCN BPDUs through the designated port.
- D. STP has two types of packets: configuration BPDU and TCN BPDU.

**Correct Answer: D**

**Section: (none)**

**Explanation**

**Explanation/Reference:**



**QUESTION 167**

ICMP packets do not contain port numbers. Therefore, NAT cannot be used.

- A. True
- B. False

**Correct Answer: B**

**Section: (none)**

**Explanation**

**Explanation/Reference:**

**QUESTION 168**

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 169**

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 170**

Which of the following statements are true about the default route?

- A. In a routing table, the route to 0.0.0.0 (with the mask being 0.0.0.0) is the default route.
- B. If the destination address of a packet does not match any entry in the routing table, the packet is forwarded through the default route.
- C. The default route can only be manually configured by the administrator.
- D. The routing table of any router must contain the default route.

**Correct Answer:** AB

**Section:** (none)

**Explanation**

**Explanation/Reference:**

**QUESTION 171**

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

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

**Correct Answer:** C

**Section:** (none)

**Explanation**

**Explanation/Reference:**

**QUESTION 172**

Which layer of the OSI reference model does a router work at?

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



**Correct Answer:** C

**Section:** (none)

**Explanation**

**Explanation/Reference:**

**QUESTION 173**

On the network shown in the figure, if all routers run OSPF, which router is elected as the BDR?

Router A  
Router ID 10.0.1.1  
Priority=255



Router B  
Router ID 10.0.2.2  
Priority=255



Router C  
Router ID 10.0.3.3  
Priority=0



Router D  
Router ID 10.0.4.4  
Priority=1

A. Router B

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

**Correct Answer:** B

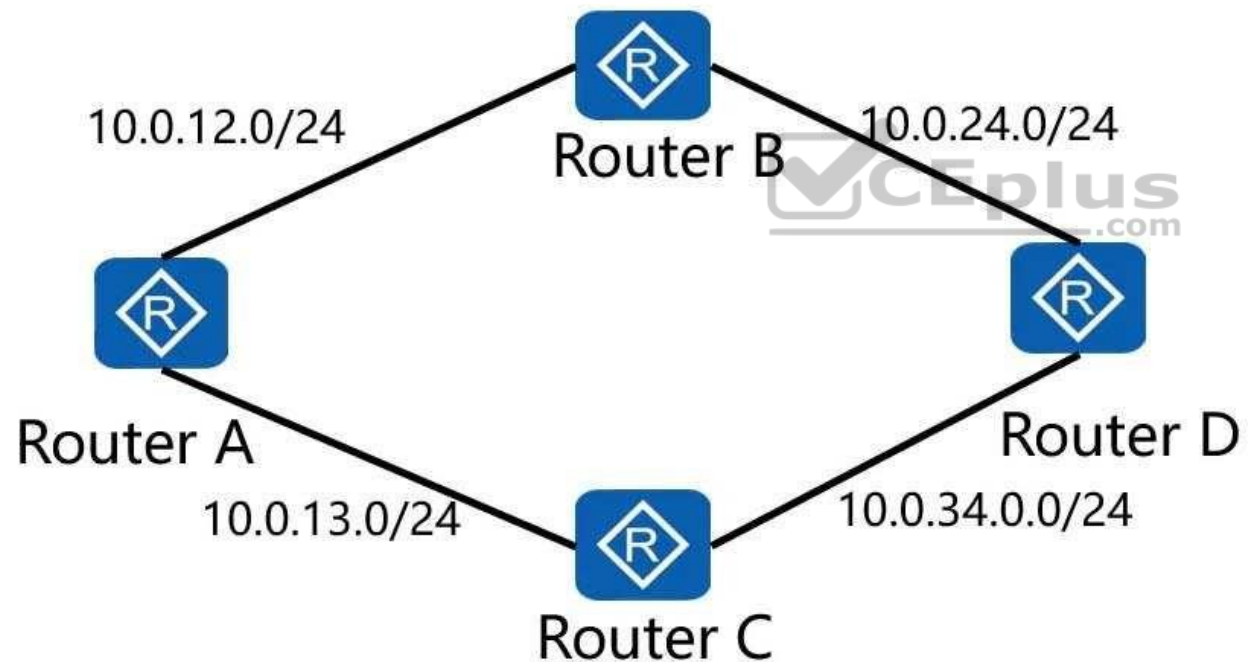
**Section:** (none)

**Explanation**

**Explanation/Reference:**

#### QUESTION 174

On the network shown in the figure, if all links are Ethernet links and all routers run OSPF, how many DRs will be elected on the entire network?



- A. 2
- B. 4



- C. 3
- D. 1

**Correct Answer:** B

**Section:** (none)

**Explanation**

**Explanation/Reference:**

#### **QUESTION 175**

What is the main function of DHCP Discover packets?

- A. The client sends DHCP Discover packets for requesting to confirm the configuration or renew the lease time of the IP address.
- B. The DHCP server sends DHCP Discover packets to respond DHCP Request packets.
- C. The DHCP Discover packet carries various configuration information.
- D. The client sends DHCP Discover packets to search for the DHCP server.

**Correct Answer:** D

**Section:** (none)

**Explanation**

**Explanation/Reference:**

#### **QUESTION 176**

Which of the following is/are not included in AAA?

- A. Audit
- B. Authentication
- C. Authorization
- D. Accounting

**Correct Answer:** A

**Section:** (none)

**Explanation**

**Explanation/Reference:**

**QUESTION 177**

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 178**

The IKE protocol is used to set up an SA for IPsec automatic negotiation. Identity authentication can be performed when the IP address of the initiator changes dynamically.

- A. True
- B. False



**Correct Answer:** A

**Section:** (none)

**Explanation**

**Explanation/Reference:**

**QUESTION 179**

Which of the following SNMP packets is/are sent by the agent on the managed device to the NMS?

- A. Get-Request
- B. Response
- C. Get-Next-Request
- D. Set-Request

**Correct Answer:** B

**Section: (none)**

**Explanation**

**Explanation/Reference:**

**QUESTION 180**

Which of the following information must be configured for a DHCPv6 relay agent?

- A. DHCPv6 address pool
- B. DNS server address
- C. IPv6 address of the DHCPv6 server
- D. DHCPv6 DUID

**Correct Answer: C**

**Section: (none)**

**Explanation**

**Explanation/Reference:**



**QUESTION 181**

Which of the following statements are true according to the following command output?

```
[Router A]display ospfv3 peer verbose
OSPFv3 Process (1)
```

```
Neighbor 10.0.2.2 is Full, interface address FE80::2E0:FCFF:FEBB:6CF9
In the area 0.0.0.0 via interface GE0/0/0
DR Priority is 1 DR is 10.0.2.2 BDR is 10.0.1.1
Options is 0x000013 (-|R|-|-|E|V6)
Dead timer due in 00:00:35
Neighbour is up for 00:12:10
Database Summary Packets List 0
Link State Request List 0
Link State Retransmission List 0
Neighbour Event: 6
Neighbour If Id : 0x3
```

- A. The OSPFv3 area ID is 0.
- B. The OSPFv3 process ID is 1.
- C. The DR priority of the local router is 1.
- D. The router ID of the neighbor is 10.0.1.1.

**Correct Answer:** ABC

**Section:** (none)

**Explanation**

**Explanation/Reference:**

#### QUESTION 182

According to the following configuration of Router C, how many global unicast address prefixes are advertised by Router C?

```
<Router C>display ospfv3 interface
GigabitEthernet0/0/0 is up, line protocol is up
Interface ID 0x3
Interface MTU 1500
IPv6 Prefixes
FE80::2E0:FCFF:FE48:4EC8 (Link-Local Address)
2003::1/64
2005::1/64
2009::1/64
OSPFv3 Process (1), Area 0.0.0.0, Instance ID 0
Router ID 10.0.3.3, Network Type BROADCAST, Cost: 1
Transmit Delay is 1 sec, State DROther, Priority 1
Designated Router (ID) 10.0.2.2
Interface Address FE80::2E0:FCFF:FEBB:6CF9
Backup Designated Router (ID) 10.0.1.1
Interface Address FE80::2E0:FCFF:FEC6:4A10
Timer interval configured, Hello 10, Dead 40, Wait 40, Retransmit 5
Hello due in 00:00:08
Neighbor Count is 3, Adjacent neighbor count is 2
Interface Event 2, Lsa Count 4, Lsa Checksum 0x173fe
Interface Physical BandwidthHigh 0, BandwidthLow 1000000000
```

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

**Correct Answer:** D

**Section:** (none)

**Explanation**

**Explanation/Reference:**

**QUESTION 183**

In the MPLS domain, the full name of LER is label egress router.

- A. True
- B. False

**Correct Answer:** B

**Section:** (none)

**Explanation**

**Explanation/Reference:**

**QUESTION 184**

Which area ID is used by OSPFv3 to identify the backbone area?

- A. 0
- B. 3
- C. 2
- D. 1

**Correct Answer:** A

**Section:** (none)

**Explanation**

**Explanation/Reference:**



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