

H12-261.138q

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H12-261



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**HCIE-Routing&Switching (written) (Huawei Certified Internetwork Expert-Routing & Switching)**

**Exam A**

**QUESTION 1**

The LS Sequence Number field is used to detect expired and duplicate LSAs. This field is a signed 32-bit integer and therefore the minimum LS Sequence Number is 0x800000000.

A. FALSE

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B. TRUE

**Correct Answer:** A

**Section:** (none)

**Explanation**

**Explanation/Reference:**

### QUESTION 2

Which types of prefixes will a router running BGP most likely advertise to an IBGP peer, assuming it is not configured as a route reflector?



- A. Prefixes received from EBGp peers and prefixes received from route reflectors
- B. All prefixes in its routing table
- C. Prefixes received from EBGp peers and prefixes locally originated via network statements or imported
- D. Prefixes received from other IBGP peers, prefixes received from EBGp peers, and prefixes imported to BGP
- E. Prefixes received from other IBGP peers and prefixes received from router reflectors
- F. Prefixes received from any other BGP peer and prefixes locally originated via network statements or imported

**Correct Answer:** C

**Section:** (none)

**Explanation**

**Explanation/Reference:**

### QUESTION 3

In a data communication session between two hosts, the session layer in the OSI model generally communicates with what other layer of the OSI model?

- A. The physical layer of the peer
- B. The peer's presentation layer

- C. The peer's session layer
- D. The peer's application layer
- E. The data link layer of the peer

**Correct Answer:** C

**Section:** (none)

**Explanation**

**Explanation/Reference:**

#### QUESTION 4

If a router receives a BGP route carrying the no-export community attribute, which of the following actions does the router take?

- A. Does not advertise the route to other BGP routers
- B. Discards the route directly
- C. Advertises the route to IBGP peers only
- D. Advertises the route normally, but does not use it to forward data

**Correct Answer:** C

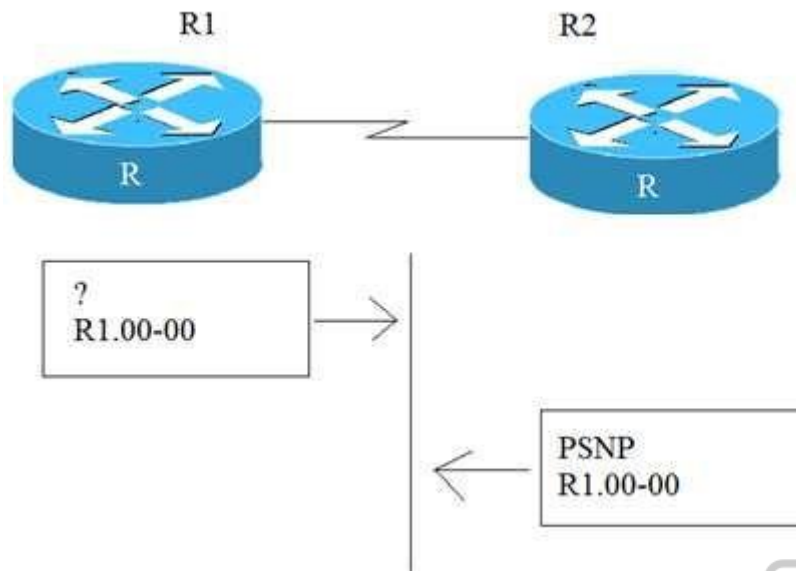
**Section:** (none)

**Explanation**

**Explanation/Reference:**

#### QUESTION 5

As shown in the following figure, the neighbor relationship between R1 and R2 has just been established. Which of the following statements is true about the database synchronization process between R1 and R2?



- A. The packet sent from R1 and R2 is a PSNP packet
- B. The packet sent from R1 and R2 is a Hello packet
- C. The packet sent from R1 and R2 is a CSNP packet
- D. The packet sent from R1 and R2 is a LSP packet

**Correct Answer:** A

**Section:** (none)

**Explanation**

**Explanation/Reference:**

### QUESTION 6

Which of the following are key differences between RIP version 1 and RIP version 2?

- A. RIP version 2 uses multicasts while RIP version 1 does not
- B. RIP version 1 supports authentication while RIP version 2 does not
- C. RIP version 1 does not support VLSM while RIP version 2 does
- D. RIP version 1 is distance vector while RIP version 2 is not

E. RIP version 1 uses hop counts as the metric while RIP version 2 uses bandwidth information

**Correct Answer:** AC

**Section:** (none)

**Explanation**

**Explanation/Reference:**

### QUESTION 7

Which of the following are found in a basic Network Layer Packet?

- A. Network Layer Header
- B. Path records
- C. Data Link Layer Header
- D. Upper Layer Data
- E. Network Layer Trailer

**Correct Answer:** ADE

**Section:** (none)

**Explanation**

**Explanation/Reference:**



### QUESTION 8

OSPF is running on a network. In OSPF, what LSA type would only cause an Incremental SPF calculation?

- A. Type 3
- B. Type 4
- C. Type 1
- D. Type 2
- E. Type 5

**Correct Answer:** ABE

**Section:** (none)

**Explanation**

**Explanation/Reference:**

**QUESTION 9**

With regard to TCP headers, which control bit tells the receiver to reset the TCP connection?

- A. SND
- B. CLR
- C. PSH
- D. SYN
- E. RST
- F. ACK

**Correct Answer:** E

**Section:** (none)

**Explanation**

**Explanation/Reference:**

**QUESTION 10**

Two routers configured to run BGP have been connected to a firewall, one on the inside interface and one on the outside interface. BGP has been configured so the two routers should peer, including the correct BGP session endpoint addresses and the correct BGP session hop-count limit (EBGP multihop). What is a good first test to see if BGP will work across the firewall?

- A. There is no way to make BGP work across a firewall without special configuration, so there is no simple test that will show you if BGP will work, other than trying to start the peering session.
- B. Attempt to Telnet from the router connected to the inside of the firewall to the router connected to the outside of the firewall. If Telnet works, BGP will work, since telnet and BGP both use TCP to transport data
- C. There is no way to make BGP work across a firewall
- D. Ping from the router connected to the inside interface of the firewall to the router connected to the outside interface of the firewall. If you can ping between them, BGP should work, since BGP uses IP to transport packets.

**Correct Answer:** B

**Section:** (none)

**Explanation**

**Explanation/Reference:**

**QUESTION 11**

Which of the following can be used for BGP route selection?

- A. DSCP

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- B. IP-PREFIX
- C. ACL
- D. AS-PATH-FILTER

**Correct Answer:** BCD

**Section:** (none)

**Explanation**

**Explanation/Reference:**

#### **QUESTION 12**

Authentication can be configured in the IS-IS protocol to enhance IS-IS security. The IS-IS authentication functions include interface authentication, area authentication, and routing domain authentication.

- A. FALSE
- B. TRUE

**Correct Answer:** B

**Section:** (none)

**Explanation**

**Explanation/Reference:**



#### **QUESTION 13**

Each DD packet has a DD sequence number for packet acknowledgment. A DD sequence number is two-bytes long.

- A. TRUE
- B. FALSE

**Correct Answer:** B

**Section:** (none)

**Explanation**

**Explanation/Reference:**

#### **QUESTION 14**

You must configure a router for Policy Based Routing (PBR). PBR allows network administrators to implement routing policies to allow or deny paths on which of the following?

- A. Protocol
- B. Identification of a particular end system
- C. Application
- D. Throughput
- E. Size of packets

**Correct Answer:** ABCE

**Section:** (none)

**Explanation**

**Explanation/Reference:**

#### QUESTION 15

An AS-path-filter uses the regular expression `^[0-9]+$` to indicate all as-path attributes.

- A. TRUE
- B. FALSE

**Correct Answer:** B

**Section:** (none)

**Explanation**

**Explanation/Reference:**

#### QUESTION 16

Which of the following scenarios can an AS-path-filter be used for?

- A. Apply clauses in a route-policy
- B. Filtering the routes received from a BGP peer based on the as-path attributes of the routes, for example, peer X.X.X.X as path-filter import
- C. Filtering the routes sent to a BGP peer based on the as-path attributes of the routers, for example, peer X.X.X.X as-path-filter export
- D. If-match clauses in a route-policy

**Correct Answer:** ABC



**Section: (none)**

**Explanation**

**Explanation/Reference:**

#### QUESTION 17

Which of the following statements are true about RIPng?

- A. RIPng does not have an authentication mechanism
- B. Each RIPng update packet contains a maximum of 25 routes
- C. RIPng supports MD5 authentication
- D. RIPng uses the link local address to send update packets
- E. RIPng supports a maximum of 32 hops

**Correct Answer: AD**

**Section: (none)**

**Explanation**

**Explanation/Reference:**



#### QUESTION 18

An IPv6 device with the address of FC00::1 connects to the network and captures the following data packet. What is function of the data packet?

```
Frame 2: 78 bytes on wire (624 bits), 78 bytes captured (624 bits) on interface 0
Ethernet II, Src: HuaweiTe_6e:7f:a2 (00:e0:fc:6e:7f:a2), Dst: Ipv6mcast_ff:00:00:01 (33:33:ff:00:00:01)
Internet Protocol Version 6, Src: :: (::), Dst: ff02::1:ff00:1 (ff02::1:ff00:1)
Internet Control Message Protocol v6
Type: 135 (Neighbor solicitation)
Code: 0
Checksum: 0x7ae5 [correct]
Reserved: 0 (Should always be zero)
Target: fc00::1 (fc00::1)
```

- A. There are multiple routers on the network segment. One router advertises router redirect messages to the IPv6 device.

- B. The router on this network segment tests the working status of the IPv6 device
- C. The IPv6 device implements self-loop tests
- D. Another device on this network segment requests to resolve the Layer 2 address of the IPv6 device
- E. The IPv6 device requests the address of the egress router
- F. The IPv6 device checks address configuration of other devices on the network

**Correct Answer:** F

**Section:** (none)

**Explanation**

**Explanation/Reference:**

#### QUESTION 19

Which of the following are legal representations of the IPv6 prefix 12AB00000000CD30?

- A. 12AB::CD3::/64
- B. 12AB::CD30/64
- C. 12AB::0000:0000:CD30:0000:0000:0000/64
- D. 12AB:0:0:CD3::/64
- E. 12AB:0:0:CD3/64



**Correct Answer:** BC

**Section:** (none)

**Explanation**

**Explanation/Reference:**

#### QUESTION 20

On a RIPvng network, configure a router to advertise the default route to the entire network. Which of the following configurations is correct?

- A. [Huawei]ripng 1  
[Huawei-ripng-1]import-route static cost 2  
[Huawei-ripng-1]quit  
[Huawei]ipv6 route-static :: 0 NULL0
- B. [Huawei]ripng 1  
[Huawei-ripng-1]import-route static cost 2  
[Huawei-ripng-1]quit

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```
[Huawei]ipv6 route-static :: 0 2001:19:9
```

- C. [Huawei]ripng 1  
[Huawei-ripng-1] ripng default-route originate  
[Huawei-ripng-1]quit
- D. [Huawei]interface GigabitEthernet0/0/1  
[Huawei-GigabitEthernet0/0/1]ipv6 enable  
[Huawei-GigabitEthernet0/0/1]ipv6 address 2001::12::1/64  
[Huawei-GigabitEthernet0/0/1]ripng 1 enable  
[Huawei-GigabitEthernet0/0/1]ripng default-route originate  
[Huawei-GigabitEthernet0/0/1]quit

**Correct Answer:** D

**Section:** (none)

**Explanation**

**Explanation/Reference:**

#### QUESTION 21

Which IPv6 header field has a function similar to that of the “Type of Service” field in an IPv4 header?

- A. Flow Label  
B. Traffic Class  
C. Next Header  
D. Version

**Correct Answer:** B

**Section:** (none)

**Explanation**

**Explanation/Reference:**

#### QUESTION 22

Besides an IPv4 address, a router distinguisher (RD) also contains an identifier that distinguishes IP routes to the same destination IP address in different VPNs. How many bits are there in the identifier?

- A. 16  
B. 64

- C. 128
- D. 32

**Correct Answer:** B

**Section:** (none)

**Explanation**

**Explanation/Reference:**

### QUESTION 23

Which of the following statements about penultimate hop popping are true?

- A. It can only be used with LDP
- B. It enables the Edge LSR to request a label pop operation from its upstream neighbors



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- C. It is only used when two or more labels are stacked
- D. It is requested through LDP using a special label value that is also called the implicit-null value
- E. It is used only for directly connected subnets or aggregate routes

**Correct Answer:** BDE

**Section:** (none)

**Explanation**

**Explanation/Reference:**

### QUESTION 24

Based on the routing information exchange mode, MPLS VPNs are usually classified into two types. One is the overlay VPN. What is the other type of MPLS VPN?

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- A. L3 VPN
- B. Virtual Private Network
- C. L2 VPN
- D. Peer-to-Peer VPN

**Correct Answer:** D

**Section:** (none)

**Explanation**

**Explanation/Reference:**

#### **QUESTION 25**

What is the class D IP address range 239.0.0.0-239.255.255.255 used for?

- A. It is a multicast address range used by routing protocols
- B. Any legal multicast data flow and multicast application can use this address segment
- C. Link-local multicast traffic mode up of network control messages meant to stay in the local subnet
- D. It is a locally scoped multicast address and should only be used on local segments
- E. It is an SSM multicast address range which is used on the entire network.

**Correct Answer:** D

**Section:** (none)

**Explanation**

**Explanation/Reference:**

#### **QUESTION 26**

To improve delay and jitter on frame relay links, we can fragment and assemble the frame between multiple PVCs. This is similar to what happens with PPP multilink.

- A. FALSE
- B. TRUE

**Correct Answer:** B

**Section:** (none)

**Explanation**

**Explanation/Reference:**

**QUESTION 27**

Which of the following statements are true?

- A. SNMPv2c has privacy and uses usernames for authentication
- B. SNMPv3 has privacy and uses community for authentication
- C. SNMPv3 has privacy and uses usernames for authentication
- D. SNMPv1 has no privacy and uses community for authentication
- E. SNMPv2c has privacy and uses usernames for authentication

**Correct Answer:** CD

**Section:** (none)

**Explanation**

**Explanation/Reference:**

**QUESTION 28**

A new Syslog server is being installed in the HW network to accept network management information. What characteristics apply to these Syslog messages?

- A. Its transmission is acknowledgment
- B. Its transmission is secure
- C. Its transmission is not secure
- D. Its transmission is not reliable
- E. Its transmission is not acknowledged
- F. Its transmission is reliable

**Correct Answer:** CDE

**Section:** (none)

**Explanation**

**Explanation/Reference:**

**QUESTION 29**

Which of the following statements about VRRP load balancing are false?

- A. When configuring priorities, you must ensure that the same router server as the master router in three VRRP backup groups
- B. To implement load balancing, default network gateways of hosts on a LAN must be configured as IP addresses of different virtual routers

- C. Multiple VRRP backup groups can be created on an interface of a router. The router can serve as the master router in on VRRP backup group and the backup router in other VRRP backup groups.
- D. VRRP local balancing requires that at least two virtual routers transmit services at the same time.

**Correct Answer:** ABC

**Section:** (none)

**Explanation**

**Explanation/Reference:**

### QUESTION 30

On a BGP/MPLS Ipv4 VPN, OSPF, LDP, and static routes are configured. Which of the following protocols must be enabled with GR to achieve NSF on PEs?

- A. Static routes
- B. MPLS LDP
- C. OSPF
- D. BGP

**Correct Answer:** BCD

**Section:** (none)

**Explanation**

**Explanation/Reference:**

### QUESTION 31

SWA and SWB are connected through two physical Ethernet links. SWA has the following interface configurations:

```
[SWA]interface GigabitEthernet1/0/1
[SWA-GigabitEthernet1/0/1]port link-type trunk
[SWA-GigabitEthernet1/0/1]port trunk allow-pass vlan 1 10 100 [SWA]interface GigabitEthernet 1/0/2
[SWA-GigabitEthernet1/0/2]port link-type trunk
[SWA-GigabitEthernet1/0/2]port trunk allow-pass vlan 1 10
```

The two links are aggregated.

Assume that the configuration on SWB is correct. Given this information, which of the following statements are true?

- A. GigabitEthernet1/0/1 and GigabitEthernet1/0/1 can be added to the same LAG without changing the current configurations.
- B. After link aggregation is configured on SWA and SWB, if MSTP is enabled on them, GigabitEthernet1/0/1 and GigabitEthernet1/0/2 enter the Forwarding state in

MSTP.

- C. GigabitEthernet1/0/1 and GigabitEthernet1/0/2 can be added to the same LAG only after the configuration of GigabitEthernet1/0/2 is changed to be the same as that of GigabitEthernet1/0/1.
- D. GigabitEthernet1/0/1 and GigabitEthernet1/0/2 cannot be added to the same LAG because the allowed VLANs are different.

**Correct Answer:** A

**Section:** (none)

**Explanation**

**Explanation/Reference:**

### QUESTION 32

Which of the following command outputs indicates that a loop has occurred on a switch?





[CE02]display cpu-defend statistics

Packet Type	Pass(Packet/Byte)	Drop(Packet/Byte)	Last-dropping-time
arp-reply	24 1536	0 0	
arp-request	2003 140044	0 0	2018-05-21 16:56:39

[CE02]display interface brief | include up

InUti/OutUti: input utility/output utility

Interface	PHY	Ptocol	InUti	OutUti	inErrors	outErrors
MEth0/0/1	up	up	0.03%	0.01%	0	0
NULL0	up	up(s)	0%	0%	0	0
Vlanif1	up	up	0%	0%	0	0
XGigabitEthernet0/0/1	up	up	0.32%	0.32%	0	0
XGigabitEthernet0/0/2	up	up	0.32%	0.32%	0	0

[CE20]display cpu-usage

CPU Usage Stat. Cycle: 60 (Second)

CPU Usage 30% Max: 44%

CPU Usage Stat. Time : 2018-05-21 17:19:26

CPU utilization for five seconds: 18%: one minute: 18%: five minutes: 18%

Max CPU Usage Stat. Time : 2018-05-16 15:56:53.

A.

B. C.

```
[CE02]display trapbuffer
```

Trapping buffer configuration and contents : enabled

Allowed max buffer size : 1024

Actual buffer size : 256

Channel number : 3 , Channel name : trapbuffer

Current messages : 178

#May 21 2018 16:26:35 CE02 L2IFPPI/4/MFLPVLANALARM:

OID 1.3.6.1.4.1.2011.5.25.160.3.7 MAC move detected, VLANID = 1,

MacAddress = 60de-f325-1b90, Original-Port = XGE0/0/2, Flapping port = XGE0/0/1.

Please check the network accessed to flapping port.

D.

**Correct Answer:** A

**Section:** (none)

**Explanation**

**Explanation/Reference:**

Reference: [http://support.huawei.com/online/toolweb/ptmngsys/Web/tsrev\\_ce/en/content/ce/08\\_edesk\\_dc\\_mac-address\\_flapping/edesk\\_dc\\_macaddress\\_flapping\\_edesk002.html](http://support.huawei.com/online/toolweb/ptmngsys/Web/tsrev_ce/en/content/ce/08_edesk_dc_mac-address_flapping/edesk_dc_macaddress_flapping_edesk002.html)

### QUESTION 33

Which of the following statements regarding the process of sending and receiving data frames on a port in access link-type is true?

A. Tagged data frames that are received are directly discarded.

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- B. Only untagged data frames are received.
- C. VLAN tags are removed before data frames are sent.
- D. A switch learns the destination MAC address in the data frames when they are received on the switch's port.

**Correct Answer:** C

**Section:** (none)

**Explanation**

**Explanation/Reference:**

#### QUESTION 34

How long will a Huawei running RSTP wait before aging out the BPDUs on an interface?

- A. Hello time interval
- B. 6 seconds
- C. MaxAge interval
- D. BPDUs on the interface will not be aged out
- E. Forward delay



**Correct Answer:** C

**Section:** (none)

**Explanation**

**Explanation/Reference:**

Reference: <https://support.huawei.com/enterprise/en/doc/EDOC1000088827?section=j00h>

#### QUESTION 35

Which of the following statements regarding LACP are true?

- A. You can run the following commands to delete member interfaces from an Eth-Trunk:  
interface GigabitEthernet0/0/1  
shutdown  
interface GigabitEthernet0/0/1  
undo eth-trunk 1  
interface GigabitEthernet0/0/1  
undo shutdown
- B. You can run the following commands to prevent frequent flapping due to physical link faults on an Eth-Trunk:

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```
interface eth-trunk 1      lacp
preempt enable    lacp preempt
delay delay-time
```

C. You can run the following commands to add member interfaces to an Eth-Trunk:

```
interface GigabitEthernet0/0/1
shutdown
interface eth-trunk
1
```

```
trunkport GigabitEthernet0/0/1
interface GigabitEthernet0/0/1
undo shutdown
```

D. You can run the following commands to enable load balancing based on source IP addresses for an Eth-Trunk:

```
interface eth-trunk 1    load-
balance src-dst-ip
```

**Correct Answer:** A

**Section:** (none)

**Explanation**

**Explanation/Reference:**



### QUESTION 36

Which of the following statements regarding PPPoE data frames are true?

- A. The Ethernet\_Type field has a fixed value of 0x8863.
- B. The Session\_ID field of a PPP session must be the value specified in the Discovery phase and cannot be changed.
- C. When PPPoE is used to transmit session data, Code must be set to 0x0.
- D. After a PPPoE session is set up, all Ethernet packets are unicast.

**Correct Answer:** B

**Section:** (none)

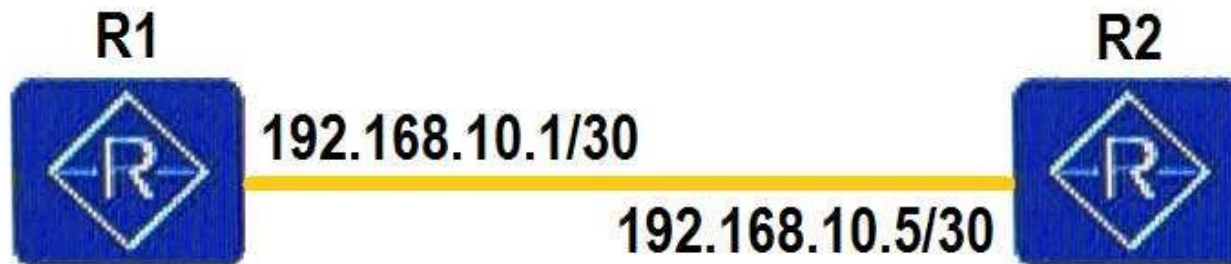
**Explanation**

**Explanation/Reference:**

### QUESTION 37

As shown in the figure below, R1 and R2 are connected through a PPP link, and the IP addresses on the directly connected interfaces are not on the same network segment. R1 and R2 can communicate with each other through the directly connected interfaces. However, communication on the Ethernet link fails if the IP addresses on the directly connected interfaces are on the same network segment. What are the causes of this?

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- A. The Ethernet header does not need to be encapsulated into data packets between R1 and R2 that are directly connected through a POS interface, and ARP does not need be used to obtain MAC addresses.
- B. R1 and R2 that are directly connected through a POS interface learn the MAC address of each other using LCP, and ARP does not need to be used to obtain MAC addresses.
- C. R1 and R2 that are directly connected through a POS interface learn the 24-bit subnet route of each other through IPCP.
- D. R1 and R2 that are directly connected through a POS interface learn the 32-bit host route of each other through IPCP.

**Correct Answer:** D

**Section:** (none)

**Explanation**



**Explanation/Reference:**

### QUESTION 38

Routes received from AS100 match the AS-Path filter configured using the ip as-path-filter 10 permit\_100\$ command.

- A. TRUE
- B. FALSE

**Correct Answer:** A

**Section:** (none)

**Explanation**

**Explanation/Reference:**

### QUESTION 39

On a broadcast network, DIS election starts only after the neighbor relationship is established.

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- A. TRUE
- B. FALSE

**Correct Answer:** A

**Section:** (none)

**Explanation**

**Explanation/Reference:**

#### QUESTION 40

Which of the following attributes cannot be directly referenced by the if-match clause of route-policies?

- A. Community-filter
- B. IP-prefix
- C. AS-Path-filter
- D. Regular expression

**Correct Answer:** D

**Section:** (none)

**Explanation**



**Explanation/Reference:**

Reference: <http://support.huawei.com/enterprise/pages/doc/subfile/docDetail1.jsp?contentId=DOC1000027467&partNo=10152>

#### QUESTION 41

The figure shows router data. Which of the following statements is false?

<R3>display isis lsdb

Database information for ISIS(1)

Level-1 Link State Database

LSPID	Seq Num	Checksum	Holdtime	Length	ATT/P/OL
0001.0000.0000.00-00	0x00000015	0xdd22	491	109	0/0/0
0002.0000.0000.00-00	0x00000011	0xfe96	675	88	1/0/0
0002.0000.0000.01-00	0x00000006	0xbd04	656	55	0/0/0
0003.0000.0000.00-00*	0x00000027	0xffe7	676	119	1/0/0

Total LSP(s) : 4

\*(In TLV) -Leaking Route, \*(By LSPID) -Self LSP, +-Self LSP(Extended),  
ATT-Attached, P-Partition, OL-Overload

Level-2 Link state Database

LSPID	Seq Num	Checksum	Holdtime	Length	ATT/P/OL
0002.0000.0000.00-00	0x0000000b	0x11ff	678	102	0/0/0
0002.0000.0000.01-00	0x00000002	0xc5ff	656	55	0/0/0
0003.0000.0000.00-00*	0x0000002d	0xb696	674	130	0/0/0
0003.0000.0000.03-00*	0x00000008	0xac40	673	56	0/0/0
0004.0000.0000.00-00	0x00000010	0x90cb	861	88	0/0/0

Total LSP(s) : 5

\*(In TLV) -Leaking Route, \*(By LSPID) -Self LSP, +-Self LSP(Extended),  
ATT-Attached, P-Partition, OL-Overload

- A. The system ID of R3 is 0003.0000.0000.
- B. R3 is a level-1-2 router.
- C. R3 is the DIS of a Level-1 link.
- D. R3 is the DIS of a Level-2 link.

**Correct Answer: C**

**Section: (none)**

**Explanation**

**Explanation/Reference:**

#### **QUESTION 42**

Which of the following configurations regarding OSPFv3 route aggregation are true?

- A. [Huawei]ospfv3 1  
[Huawei-ospfv3-1]asbr-summary fc00:0:0:: 48 cost 20 tag 100
- B. [Huawei]ospfv3 1  
[Huawei-ospfv3-1]abr-summary fc00:0:0:: 48 cost 400
- C. [Huawei]ospfv3 1  
[Huawei-ospfv3-1]area 1  
[Huawei-ospfv3-1-area-0.0.0.1]abr-summary fc00:0:0:: 48 cost 400
- D. [Huawei]ospfv3 1  
[Huawei-ospfv3-1]area 1  
[Huawei-ospfv3-1-area-0.0.0.1]asbr-summary fc00:0:0:: 48 cost 20 tag 100
- E. [Huawei]interface gigabitethernet 1/0/0  
[Huawei-GigabitEthernet1/0/0]asbr-summary fc00:0:0:: 48 cost 20

**Correct Answer: A**

**Section: (none)**

**Explanation**

**Explanation/Reference:**

Reference: <https://support.huawei.com/enterprise/en/doc/EDOC1000102430?section=k00a>

#### **QUESTION 43**

On a Huawei device, when an external route is imported to IS-IS and the tag of the external route is set, the IS-IS metric type does not need to be changed, and the default style is retained.

- A. TRUE
- B. FALSE

**Correct Answer: B**

**Section: (none)**

**Explanation**

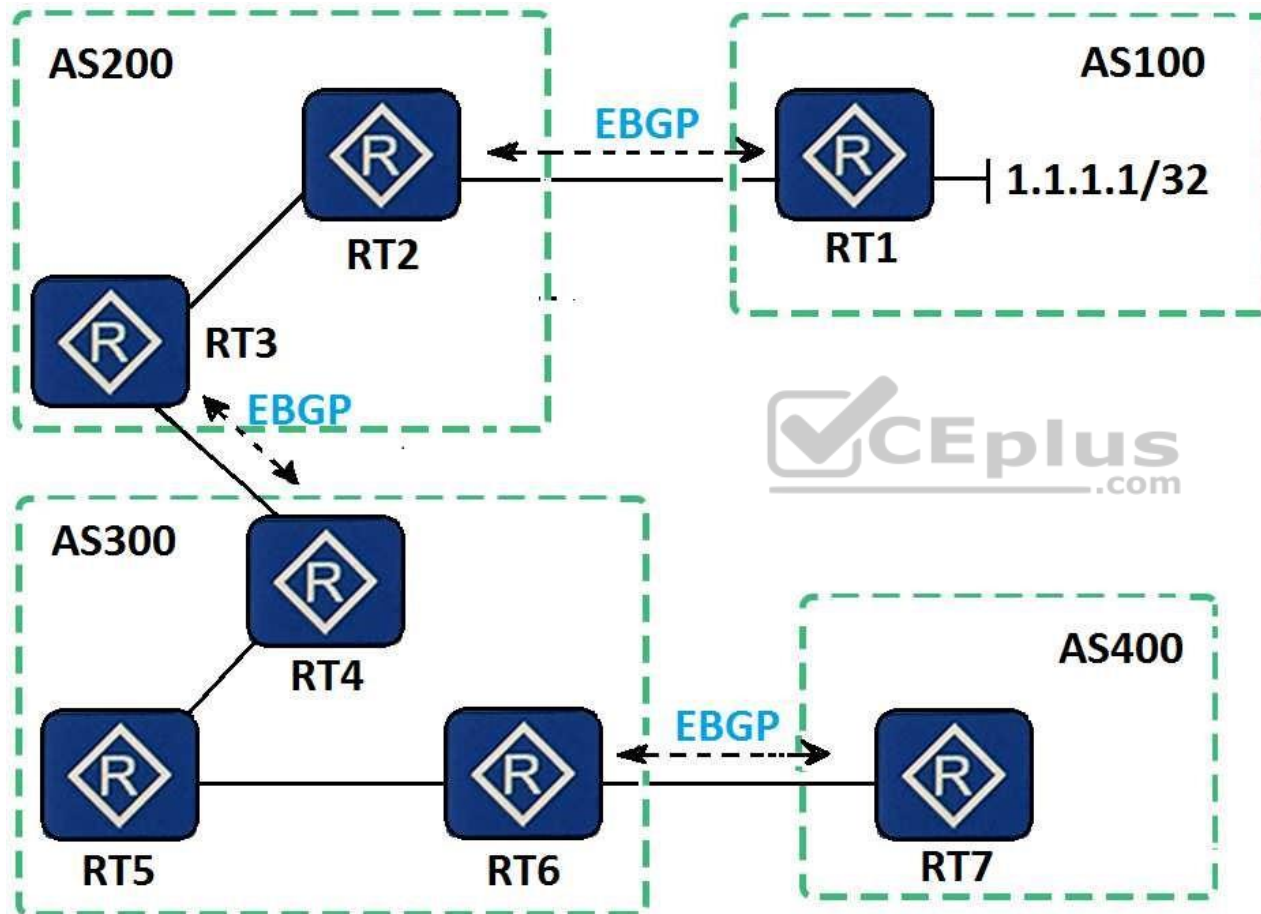
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Explanation/Reference:

#### QUESTION 44

As shown in the following topology, EBGP runs between AS100, AS200, AS300, and AS400, and peer relationships have been established between them. When AS400 receives a BGP route to the network segment 1.1.1.1/32 from AS100, which of the following is the correct value of the AS\_Path attribute?



- A. 100,200,300,400
- B. 300,200,100
- C. 400,300,200,100
- D. 100,200,300

**Correct Answer:** B

**Section:** (none)

**Explanation**

**Explanation/Reference:**

#### **QUESTION 45**

If no area is divided, which of the following statements regarding the link-state routing protocol are true?

- A. Routers in the same routing domain may repeatedly receive the same link state information.
- B. Routers in the entire routing domain have the same LSDB.
- C. Each router establishes a routing domain topology.
- D. Each router learns routing entries from updated routing information and adds them to the routing table.
- E. The router sends all link state information from a neighbor to all other neighbors to ensure data synchronization in the database.

**Correct Answer:** B

**Section:** (none)

**Explanation**

**Explanation/Reference:**



#### **QUESTION 46**

A route selection tool can define multiple entries. Which of the following tools will automatically generate a deny-any entry at the end of the configuration?

- A. Route policy
- B. IP-prefix
- C. Community-filter
- D. AS-Path-filter

**Correct Answer:** A

**Section:** (none)

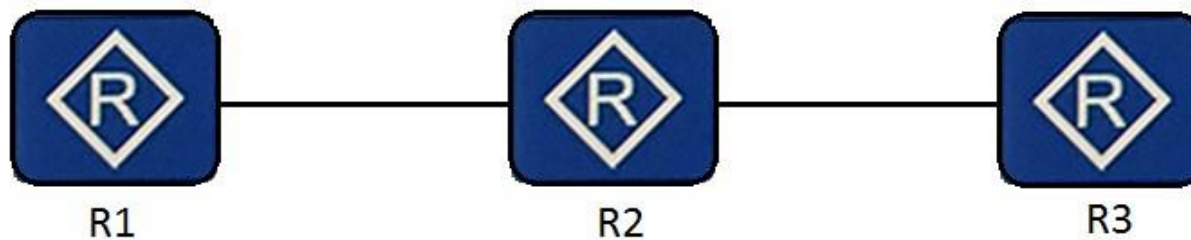
**Explanation**

**Explanation/Reference:**

#### **QUESTION 47**

The figure shows the topology and configuration. Which of the following methods can be used to exclude the specific route 10.0.3.3/32 from the routing table of R1?

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### R1

```

isis 1
network-entity 49.0001.0001.0001.0001.00
#
interface Ethernet0/0/0
ip address 10.0.12.1 255.255.255.0
isis enable 1
#
  
```

### R3

```

isis 1
network-entity 49.0001.0003.0003.0003.00
#
interface Ethernet0/0/0
ip address 10.0.23.3 255.255.255.0
isis enable 1
#
interface LoopBack0
ip address 10.0.3.3 255.255.255.255
isis enable 1
#
  
```

### R2

```

isis 1
is-level level-1
network-entity 49.0001.0002.0002.0002.00
#
interface Ethernet0/0/0
ip address 10.0.12.2 255.255.255.0
isis enable 1
#
interface Ethernet0/0/1
ip address 10.0.23.2 255.255.255.0
isis enable 1
#
interface LoopBack0
ip address 10.0.2.2 255.255.255.255
isis enable 1
#
  
```

- A. On R2, configure a filter-policy, use the ACL applied to the filter-policy to match 10.0.3.3/32, and apply the filter-policy to the export direction.
- B. Configure route summarization on R2 and summarize routes as 10.0.0.0/16.

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- C. On R1, configure a filter-policy, use the ACL applied to the filter-policy to match 10.0.3.3/32, and apply the filter-policy to the import direction.
- D. Configure route summarization on R3 and summarize routes as 10.0.0.0/16.

**Correct Answer:** C

**Section:** (none)

**Explanation**

**Explanation/Reference:**

#### **QUESTION 48**

Which of the following statements regarding IS-IS route summarization is true?

- A. Route summarization can be configured and takes effect on all types of routers.
- B. Route summarization takes effect only on Level-2 routers.
- C. Route summarization takes effect only on Level-1 routers.
- D. Route summarization takes effect only on Level-1-2 routers.

**Correct Answer:** A

**Section:** (none)

**Explanation**

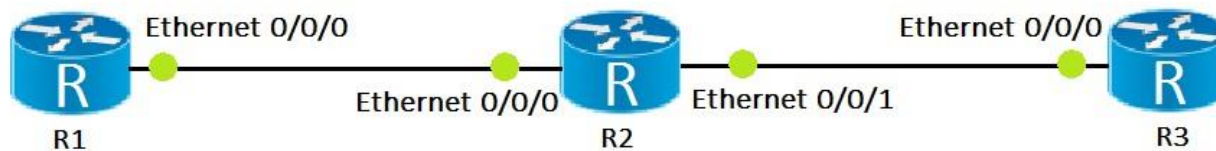


**Explanation/Reference:**

Reference: <https://support.huawei.com/enterprise/en/doc/EDOC1100069334/8552081d/configuring-is-is-route-summarization>

#### **QUESTION 49**

Which of the following statements is true according to the topology shown?



```
R1
isis 1
network-entity 49.0001.0001.0001.0001.00
#
interface Ethernet0/0/0
ip address 10.0.12.1 255.255.255.0
isis enable 1
#
R3
isis 1
network-entity 49.0001.0003.0003.0003.00
#
interface Ethernet0/0/0
ip address 10.0.23.3 255.255.255.0
isis enable 1
#
interface LoopBack0
ip address 10.0.3.3 255.255.255.255
isis enable 1
#
```

```
R2
isis 1
is-level level-1
network-entity 49.0001.0002.0002.0002.00
summary 10.0.0.0 255.255.0.0 level-1
#
interface Ethernet0/0/0
ip address 10.0.12.2 255.255.255.0
isis enable 1
#
interface Ethernet0/0/1
ip address 10.0.23.2 255.255.255.0
isis enable 1
#
interface LoopBack0
ip address 10.0.2.2 255.255.255.255
isis enable 1
#
```

- A. Routing entries 10.0.3.3/32 and 10.0.0.0/16 exist in the IP routing table of R1.
- B. Routing entries 10.0.2.2/32 and 10.0.3.3/32 exist in the IP routing table of R1.
- C. Because routing summarization is configured on R2, only the routing entry 10.0.0.0/16 exists in the IP routing table of R1.
- D. Routing entries 10.0.2.2/16 and 10.0.0.0/16 exist in the IP routing table of R1.

**Correct Answer:** C

**Section:** (none)

**Explanation**

**Explanation/Reference:**

#### QUESTION 50

Which of the following statements regarding BGP attributes is true?

- A. A route can have only one value for the Community attribute.
- B. The number of the neighboring AS is displayed to the right of the AS\_path list of a BGP routing entry.
- C. The Local\_Pref attribute is exchanged only between EBGp peers and is not advertised other Ass.
- D. When advertising a route learned from an EBGp peer to an IBGP peer, the BGP speaker does not change the Next\_Hop attribute of the route.

**Correct Answer:** D

**Section:** (none)

**Explanation**

**Explanation/Reference:**

#### QUESTION 51

Many transition technologies have been adopted to replace IPv4 addresses on networks with IPv6 addresses. These technologies are categorized into IPv4/IPv6 coexistence technologies and IPv4/IPv6 interoperability technologies. Which of the following technologies are considered to be IPv4/IPv6 coexistence technologies?

- A. NAT64
- B. ISATAP
- C. IPv6 over IPv4
- D. Dual Stack



**Correct Answer:** D

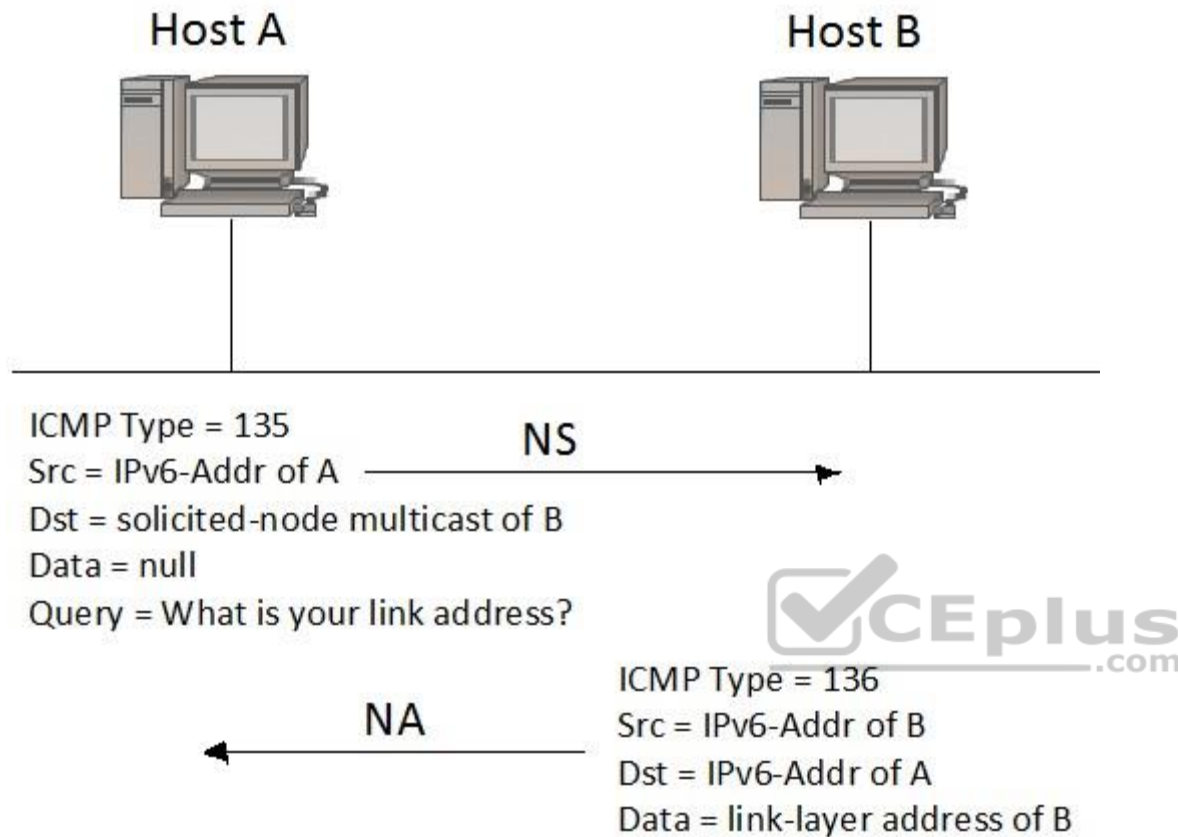
**Section:** (none)

**Explanation**

**Explanation/Reference:**

#### QUESTION 52

Does the following figure correctly show the process of obtaining the link-layer address using NDP?



- A. TRUE
- B. FALSE

**Correct Answer:** A

**Section:** (none)

**Explanation**

**Explanation/Reference:**

**QUESTION 53**

You are assigned the task of compressing an IPv6 address as much as possible. If the original IPv6 address is 2013:0000:130F:0000:0000:09C0:876A:130B, which of the following is the IPv6 address in its compressed format?

- A. 213::13F::9C0:876A:13B
- B. 2013::130F::09C0:876A:130B
- C. 2013:130F:0:0:9C0:876A:130B
- D. 2013:0:130F:0:0:09C0:876A:130B
- E. 2013:0:130F::09C0:876A:130B

**Correct Answer:** E

**Section:** (none)

**Explanation**

**Explanation/Reference:**

#### QUESTION 54

Which of the following statements regarding the packet processing method in the MPLS network model are false?

- A. The device discards IP packets that enter the MPLS domain.
- B. An LSR does not remove any label.
- C. A Label Switched Path (LSP) is determined and established through various protocols during the packet forwarding process.
- D. Both LERs and LSRs distribute labels.

**Correct Answer:** A

**Section:** (none)

**Explanation**

**Explanation/Reference:**

#### QUESTION 55

On an intra-AS MPLS BGP VPN, data packets are encapsulated with two MPLS labels before being sent to the public network. Which of the following statements regarding the labels is false?

- A. By default, a router assigns the same label value to all VPNv4 routes destined for the remote PE.
- B. The egress PE uses the inner label to determine the egress CE which packets are sent.
- C. Two labels are used on an MPLS BGP VPN: public network label (outer label) and VPN label (inner label).
- D. VPN labels are distributed by MP-BGP when routing information is transmitted. Public network labels are distributed by LDP.

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**Correct Answer:** A

**Section:** (none)

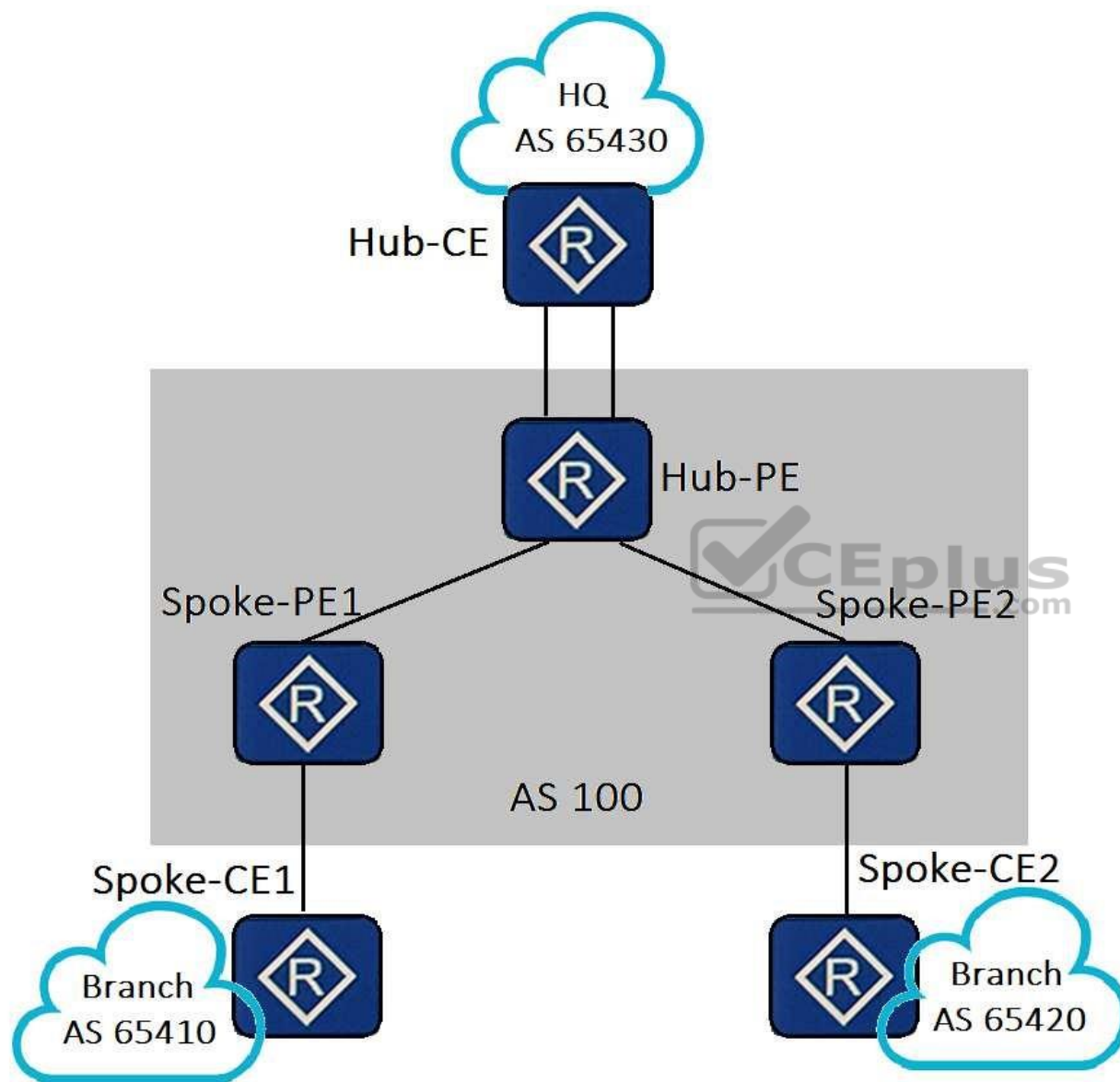
**Explanation**

**Explanation/Reference:**

**QUESTION 56**

As shown in the figure below, an enterprise wants to implement secure access between the headquarters and branches through MPLS VPN. VPN traffic of branches must be forwarded through the headquarters for traffic monitoring. Which of the following statements regarding this solution is false?





- A. When the Hub-CE and Hub-PE use EBGP to transmit routing information, the Hub-PE must be able to accept routes with the AS number repeated once so that routes advertised by the Hub-CE can be received.

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- B. OSPF can be used to exchange routing information between Hub-CEs and Hub-Pes as well as between Spoke-Pes and Spoke-CEs.
- C. BGP can be used to exchange VPN routing information between CEs and Pes.
- D. The MP-IBGP peer relationship can be established between Spoke-Pes to exchange VPN routing information.

**Correct Answer:** A

**Section:** (none)

**Explanation**

**Explanation/Reference:**

#### QUESTION 57

Which of the following statements regarding the inter-AS MPLS VPN are false?

- A. In inter-AS VPN Option B mode, an MP-EBGP peer relationship needs to be established between two ASBRS.
- B. In inter-AS VPN Option B mode, two ASBR-Pes are interconnected through multiple interfaces (including sub-interfaces), each interface is associated with one VPN, and each ASBR-PE considers the remote device as a CE.
- C. In inter-AS VPN Option A mode, the routes advertised between two ASBRs are common IPv4 routes.
- D. In inter-AS VPN Option C solution 2, if only LDP is used to advertise public network labels, three labels need to be used during packet forwarding.

**Correct Answer:** D

**Section:** (none)

**Explanation**

**Explanation/Reference:**

#### QUESTION 58

Which of the following statements regarding LDP reliability is false?

- A. By default, the policy for manually configuring LDP FRR specifies that backup routes with 32-bit addresses should trigger the setup of a backup LDP LSP.
- B. Synchronization between LDP and IGP requires suppression of IGP route advertisement to achieve consistent LDP and IGP.
- C. LDP FRR can generate an LSP as the backup of the primary LSP based on Label Mapping messages that are not from the optimal next hop. LDP FRR establishes forwarding entries for the backup LSP.
- D. LDP Graceful Restart (GR) leverages the separation of the forwarding plane and control plane by MPLS to ensure uninterrupted traffic transmission during a protocol restart or active/standby switchover.

**Correct Answer:** A

**Section:** (none)

**Explanation**

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**Explanation/Reference:**

**QUESTION 59**

The display mpls lsp command is run on a router to check LSP information. The command output is as follows:

```
[Huawei]display mpls lsp
```

LSP Information: LDP LSP

FEC	In/Out Label	In/Out IF	Vrf Name
1.1.1.1/32	NULL/1024	-GE0/0/2	
1.1.1.1/32	1027/1024	-GE0/0/2	
2.2.2.2/32	NULL/3	-GE0/0/2	
2.2.2.2/32	1028/3	-GE0/0/2	
3.3.3.3/32	NULL/3	-GE0/0/0	
3.3.3.3/32	1026/3	-GE0/0/0	
4.4.4.4/32	3/NULL	-/-	



Which of the following statements is true?

- A. When sending a data packet with the destination IP address 4.4.4.4, the router sends it directly without any label added.
- B. After receiving a data packet with label 1024, the router changes the label to label 1027 and then sends the packet.
- C. When sending a data packet with the destination IP address 2.2.2.2, the router sends it directly without any label added.
- D. When sending a data packet with the destination IP address 3.3.3.3, the router adds label 1026 to the packet before sending it.

**Correct Answer: A**

**Section: (none)**

**Explanation**

**Explanation/Reference:**

**QUESTION 60**

If PIM-SM is enabled on a multicast network, only after multicast trees are established between the multicast source and receivers, the receiver can receive multicast data. Which of the following statements regarding the trees are true?

- A. An RPT is established between the RP and receivers.
- B. An SPT is established between the RP and receivers.

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- C. An SPT is established between the multicast source and RP.
- D. An RPT is established between the multicast source and RP.

**Correct Answer:** AC

**Section:** (none)

**Explanation**

**Explanation/Reference:**

#### QUESTION 61

SSM is enabled on the entire IP multicast network. Which of the following statements regarding SSM are true?

- A. No RP is required.
- B. Only the RTP is used for SSM.
- C. SSM is recommended when multiple sources are available on the network and the multicast route is simple.
- D. SSM is applicable to one-to-many applications.
- E. Only the SPT is used for SSM.

**Correct Answer:** AD

**Section:** (none)

**Explanation**

**Explanation/Reference:**

#### QUESTION 62

What advantages does IGMPv2 have over IGMPv1?

- A. The Source-Specific Query message is added.
- B. The Group-Specific Query message is added.
- C. The Leave message is added.
- D. The maximum response time field is added.

**Correct Answer:** C

**Section:** (none)

**Explanation**

**Explanation/Reference:**



**QUESTION 63**

Which of the following operations can implement fast fault detection on a multicast network?

- A. Shorten the holdtime of Join or Prune messages.
- B. Shorten the interval for sending Join or Prune messages.
- C. Shorten the interval of PIM Hello messages.
- D. Set up BFD for PM sessions between PIM SM neighbors.

**Correct Answer:** D

**Section:** (none)

**Explanation**

**Explanation/Reference:**

**QUESTION 64**

Which of the following attacks are DoS (Denial of service) attacks?

- A. Single-packet attacks
- B. Flood attacks
- C. Man-in-the-middle attacks
- D. Source IP address spoofing attacks.



**Correct Answer:** B

**Section:** (none)

**Explanation**

**Explanation/Reference:**

**QUESTION 65**

A Local Area Network Denial (LAND) attacker sends a SYN packet in which the source and destination addresses are the same as the target host's address and the source port is the same as the destination port. While the receiver waits for the final ACK packet from the sender, the connection is in half-connected mode, which wastes limited TCP resources at the receive end.

- A. TRUE
- B. FALSE

**Correct Answer:** B

**Section:** (none)

**Explanation**

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**Explanation/Reference:**

**QUESTION 66**

Which of the following is not included in a digital certificate?

- A. Digital envelope
- B. Issuer
- C. Public key information
- D. Digital signature

**Correct Answer:** A

**Section:** (none)

**Explanation**

**Explanation/Reference:**

**QUESTION 67**

Which of the following are single-packet attacks?

- A. Malformed packet attacks
- B. Special control packet attacks
- C. Scanning and snooping attacks
- D. DDoS attacks

**Correct Answer:** A

**Section:** (none)

**Explanation**

**Explanation/Reference:**

**QUESTION 68**

A bookstore provides a wired network for customers to learn online. However, some users are suddenly unable to access the network. After troubleshooting, it is found that all the IP addresses in the DHCP address pool have been used up. Which of the following is the best way to solve the problem?

- A. Configure static ARP binding entries
- B. Configure IPSGC. Configure DAI
- D. Limit the maximum number of DHCP snooping binding entries that can be learned on an interface.

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**Correct Answer:** D

**Section:** (none)

**Explanation**

**Explanation/Reference:**

#### QUESTION 69

Assume that the traffic shaping rate is set to 100 Mbit/s on an interface and that the input bandwidth and PIR of each service are configured as shown in the table below.

What is the bandwidth allocated to the EF queue after the first round of scheduling?

Queue type	Scheduling type	input bandwidth ( bps )	pir ( bps )
CS7	PQ	15M	25M
CS6	PQ	30M	10M
EF	WFQ, Weight=5	90M	10M
AF4	WFQ, Weight=4	10M	10M
AF3	WFQ, Weight=3	10M	15M
AF2	WFQ, Weight=2	20M	10M
AF1	WFQ, Weight=1	20M	10M
BE	LPQ	100M	50M

- A. 30 Mbit/s
- B. 90 Mbit/s
- C. 25 Mbit/s
- D. 15 Mbit/s

**Correct Answer:** A

**Section:** (none)

**Explanation**

**Explanation/Reference:**



### QUESTION 70

The network administrator defines a traffic policy as follows:

```
[Huawei]display traffic policy user-defined
User Defined Traffic Policy Information:
Policy: p1
Classifier: c1
Operator: OR
Behavior: b1
Committed Access rate:
  CIR 256 (Kbps), PIR 0 (Kbps), CBS 48128 (byte), PBS 80128 (byte)
Color Mode: color Blind
Conform Action: pass
Exceed Action: discard
static: enable
```

The router port to which the traffic policy is applied has been idle for about 10 seconds. In this case, if there is suddenly a large amount of c1 burst traffic, what is the number of bytes in the green packets?

- A. 32 Kbytes
- B. 256 Kbytes
- C. 80128 Kbytes
- D. 48128 Kbytes

**Correct Answer:** D

**Section:** (none)

**Explanation**

**Explanation/Reference:**

### QUESTION 71

Which of the following type of SNMP messages sent to the NMS is reliable?

- A. Get
- B. GetBulk
- C. Trap

- D. Inform
- E. Response

**Correct Answer:** D

**Section:** (none)

**Explanation**

**Explanation/Reference:**

#### **QUESTION 72**

Assume that BGP/MPLS IPv4 VPN configured with OSPF, LDP, and static routing has been deployed on a PE router. To enable the NSF function, which of the following protocols need to be configured to enable the GR function on the PE router?

- A. OSPF
- B. MPLS LDP
- C. BGP
- D. Static routing

**Correct Answer:** B

**Section:** (none)

**Explanation**

**Explanation/Reference:**

#### **QUESTION 73**

The VRRP priority cannot be set to 0, so the device that sends a VRRP packet with priority 0 stops participating in the VRRP group and notifies the backup device to become the master device right away, without waiting for the Master\_Down\_Interval timer to expire?

- A. TRUE
- B. FALSE

**Correct Answer:** A

**Section:** (none)

**Explanation**

**Explanation/Reference:**

Reference: <https://support.huawei.com/enterprise/en/doc/EDOC1000088755?section=j006>

**QUESTION 74**

Which of the following functions cannot be implemented using the EVPN Type2 route?

- A. Host MAC address advertisement
- B. Host ARP advertisement
- C. Host IP route advertisement
- D. BUM packet forwarding

**Correct Answer:** B

**Section:** (none)

**Explanation**

**Explanation/Reference:**

**QUESTION 75**

What are the differences between traffic policing and traffic shaping?

- A. For traffic shaping, you can adjust the usage of the buffer for the traffic that exceeds the CIR.
- B. For traffic policing, you can adjust the usage of the buffer for the traffic that exceeds the CIR.
- C. For traffic shaping, the router buffers excess packets until the bandwidth is available again.
- D. Traffic policing uses the token bucket algorithm and traffic shaping uses the SPD algorithm.
- E. Traffic shaping is applied in the inbound direction and traffic policing is applied in the outbound direction.

**Correct Answer:** C

**Section:** (none)

**Explanation**

**Explanation/Reference:**

**QUESTION 76**

Which of the following statements regarding URPF, IPSG, and DAI are false?

- A. IPSG checks the source IP addresses and source MAC addresses of IP packets, and DAI checks only the mapping between IP addresses and MAC addresses.
- B. DAI binding entries cannot be manually configured.
- C. URPF can be used to defend against DDoS attacks from forged sources.
- D. IPSG checks IP packets to defend against attacks using spoofed source IP addresses, and DAI checks ARP packets to filter out attack sources.

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**Correct Answer:** C

**Section:** (none)

**Explanation**

**Explanation/Reference:**

#### **QUESTION 77**

By default, WRED is configured on a newly deployed Huawei router. Which of following statements regarding WRED are true?

- A. When traffic exceeds the minimum threshold, WRED starts to discard all inbound traffic (tail drop).
- B. Traffic with low bandwidth is more likely to be discarded than traffic with high bandwidth.
- C. WRED selectively discards multiple TCP flows to avoid global synchronization.
- D. WRED can be used to set different drop thresholds and packet loss ratios for data packets with different priorities.

**Correct Answer:** D

**Section:** (none)

**Explanation**

**Explanation/Reference:**



#### **QUESTION 78**

Which of the following statements regarding RADIUS are true?

- A. Authentication, authorization, and accounting are separated in RADIUS protocol.
- B. RADIUS authentication, and Portal authentication cannot be used together because users can be authenticated using the Portal server when Portal authentication is enabled.
- C. MAC address authentication does not require a user name and password. Therefore, users cannot be authenticated through RADIUS when using MAC address authentication.
- D. RADIUS supports user access in wired and wireless modes.

**Correct Answer:** D

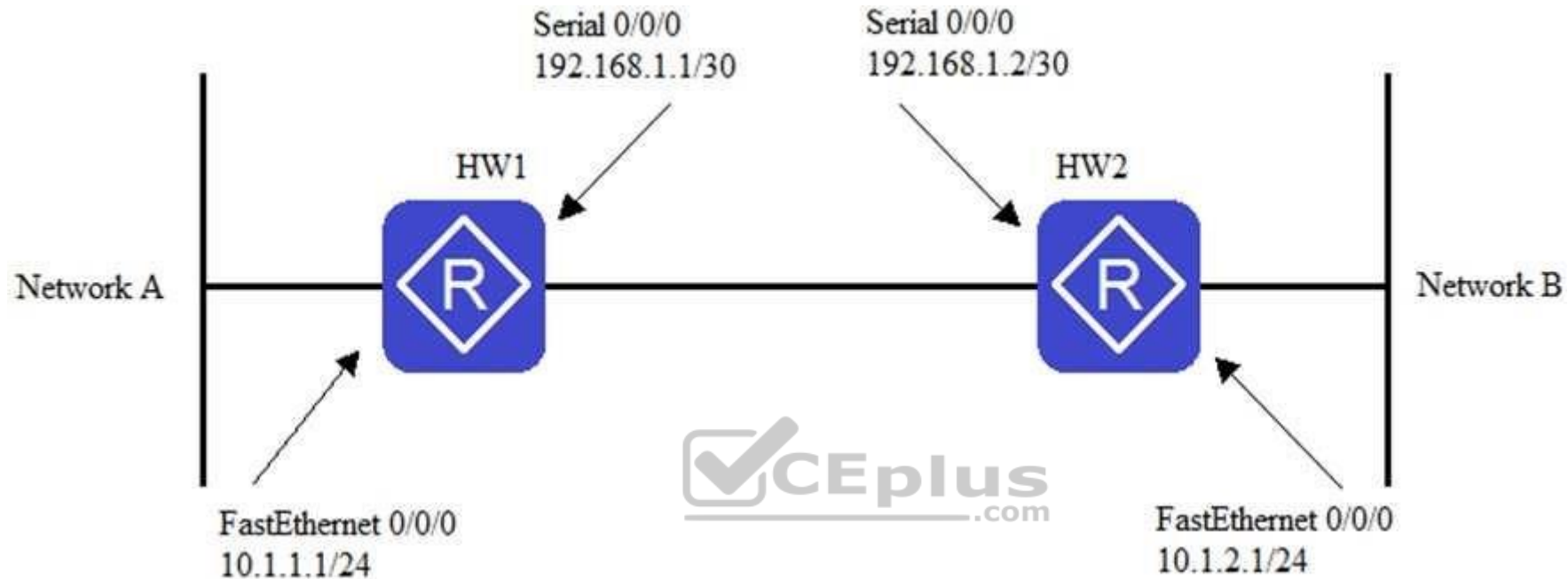
**Section:** (none)

**Explanation**

**Explanation/Reference:**

#### **QUESTION 79**

Router HW1 and Router HW2 are connected to Network A and Network B respectively. Referring to the figure, if you want to set up an IPsec VPN tunnel between HW1 and HW2, which of the following ACL rules needs to be configured on HW1 to transmit the traffic across networks A and B pass through the encrypted VPN tunnel?



- A. rule permit ip source 10.1.2.0.0.0.0.255 destination 10.1.1.0.0.0.0.255
- B. rule permit ip source 10.1.1.0.0.0.0.255 destination 10.1.2.0.0.0.0.255
- C. rule permit ip source 10.1.1.0.0.0.0.255 destination 192.168.1.2.0
- D. rule permit ip source 192.168.1.1.0 destination 10.1.2.0.0.0.0.255
- E. rule permit ip source 192.168.1.1.0 destination 192.168.1.2.0

**Correct Answer:** B

**Section:** (none)

**Explanation**

**Explanation/Reference:**

**QUESTION 80**

The HTTP protocol is based on TCP. Therefore, TCP flood attacks and HTTP flood attacks are defended against in the same way.

- A. TRUE

B. FALSE

**Correct Answer:** B

**Section:** (none)

**Explanation**

**Explanation/Reference:**

#### QUESTION 81

A DR needs to be elected from a set of candidate PIM-SM routers for multicast data forwarding on the source side or the receiver side. Which of the following statements regarding DR election rules is true?

- A. The PIM-SM router with the lowest DR priority is elected as the DR.
- B. The PIM-SM router with the smallest IP address is elected as the DR.
- C. The PIM-SM router with the longest interface mask is elected as the DR.
- D. DR priorities of the PIM-SM routers are compared first. If their DR priorities are the same, their interface IP addresses are then compared.



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**Correct Answer:** D

**Section:** (none)

**Explanation**

**Explanation/Reference:**

#### QUESTION 82

If PIM-SM is enabled on a multicast network, an RP needs to be configured. The RP can be configured as a dynamic or static RP. Which of the following statements regarding RP configuration is true?

- A. No BSR needs to be configured when a dynamic RP is configured.

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- B. When a static RP is configured, you need to configure a BSR that advertises RP information.
- C. The BSR needs to be configured as the RP backup when a dynamic RP is configured.
- D. RP information needs to be specified on all PIM routers when a static RP is configured.

**Correct Answer:** D

**Section:** (none)

**Explanation**

**Explanation/Reference:**

### QUESTION 83

If host HW1 on the network wants to join a video conference, what will the host do?

- A. The host multicasts an IGMPv2 Membership Report message that carries the expected multicast address to the local network.
- B. The host multicasts an IGMPv2 Membership Report message with the multicast address for all PIM routers (224.0.0.2) to the local network.
- C. The host unicasts an IGMPv2 Membership Report message to the default router on the local network.
- D. The host unicasts an IGMPv2 Membership Report message to the RP.

**Correct Answer:** A

**Section:** (none)

**Explanation**

**Explanation/Reference:**

### QUESTION 84

Which of the following statements correctly describes the corresponding MPLS TTL processing mode?

- A. On an MPLS VPN, if the structure of the MPLS backbone network needs to be shielded, the Uniform mode is recommended for VPN packets.
- B. In Uniform mode, when IP packets enter an MPLS network, the ingress node decrements the IP TTL by one and the MPLS TTL field has a fixed value.
- C. The TTL field in an MPLS label serves the same function as that in an IP packet header. That is, the TTL is used to prevent loops on an MPLS network.
- D. In Pipe mode, when IP packets enter an MPLS network, the ingress node decrements the IP TTL by one and copies this new value to the MPLS TTL field.

**Correct Answer:** C

**Section:** (none)

**Explanation**

**Explanation/Reference:**

**QUESTION 85**

Which of the following statements regarding CE dual-homing features is false?

- A. The VRFs of two PEs connected to the same CE can belong to different VPNs.
- B. In the CE dual-homing networking, loops may occur. You can use route-tag resolve this issue.
- C. A CE dual-homing network where a CE is connected to two PEs ensure high network reliability.
- D. A CE connects to the backbone network through two links that work in load balancing or primary/secondary mode.

**Correct Answer:** D

**Section:** (none)

**Explanation**

**Explanation/Reference:**

Reference: <https://support.huawei.com/enterprise/en/doc/EDOC1000178425/455e0daa/example-for-configuring-ce-dual-homing>

**QUESTION 86**

Level-1-2 IS can transmit Level-2 LSPs to a level-1 area. If the ATT bit in the Level-2 LSPs is set to 1, the Level-1 IS in the area can communicate with devices in other areas through the Level-1-2 IS.

- A. TRUE
- B. FALSE

**Correct Answer:** A

**Section:** (none)

**Explanation**

**Explanation/Reference:**

**QUESTION 87**

A network administrator is planning to use an automatic 6to4 tunnel to transmit IPv6 network. If the IPv4 address of the router interface is 138.14.85.210, the corresponding tunnel address should be 2001:8a0e:55d2:1:230:65ff:fe2c:9a6.

- A. TRUE
- B. FALSE

**Correct Answer:** B

**Section:** (none)

**Explanation**



**Explanation/Reference:**

**QUESTION 88**

Two community filters are configured as follows:

```
ip community-filter 1 permit 100:1 200:1
ip community-filter 2 permit 100:1 ip
community-filter 2 permit 200:1
```

Which of the following statements regarding the community filters are true? (Choose two.)

- A. A BGP route matches community-filter 2 only when it carries the Community attribute values of 100:1 and 200:1.
- B. A BGP route matches community-filter 1 only when it carries the Community attribute value of 100:1 or 200:1, or both.
- C. A BGP route matches community-filter 1 only when it carries the Community attribute values of 100:1 and 200:1.
- D. A BGP route matches community-filter 2 only when it carries the Community attribute values of 100:1 and 200:1, or both.

**Correct Answer:** CD

**Section:** (none)

**Explanation**



**Explanation/Reference:**

**QUESTION 89**

Which of the following statements regarding RD filters are true? (Choose two.)

- A. The relationship between the rules of an RD filter is "OR."
- B. If an RD filter is configured but the RD of routes does not match any RD defined in the RD filter, the default matching result is "permit."
- C. Routes are filtered according to the configuration order of multiple rules.
- D. If an RD filter is not configured but used to filter routes, the matching result is "deny".

**Correct Answer:** AC

**Section:** (none)

**Explanation**

**Explanation/Reference:**

Reference: <https://support.huawei.com/enterprise/en/doc/EDOC1000174046/26892fde/routing-policy-configuration-commands>

**QUESTION 90**

Which of the following statements is true regarding the domain authentication mode md5 hello command in the IS-IS process?

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- A. This command enables IS-IS Hello PDUs to carry authentication information.
- B. IS-IS SNP and LSP can be flooded normally only when the domain authentication mode and password of all routers in the same routing domain are MD5 and hello.
- C. IS-IS authentication cannot be applied to IPv6 environments.
- D. Routing domain authentication enables Level-1 and Level-2 SNPs and LSPs to carry authentication information.

**Correct Answer:** B

**Section:** (none)

**Explanation**

**Explanation/Reference:**

#### QUESTION 91

Which of the following statements regarding OSPFv3 are true?

- A. The LSAck packet contains the LSA header information, which is used for acknowledging the receipt of an LSA.
- B. The Hello packet must contain interface ID of sending interface.
- C. The Option field of Hello and DD packets is extended to 24 bits.
- D. The LSR packet contains the complete LSA header information, which is used for request updating LSAs.

**Correct Answer:** C

**Section:** (none)

**Explanation**

**Explanation/Reference:**

#### QUESTION 92

If an ABR is a Type 5/7 LSA translator in an NSSA, the ABR can aggregate Type 5 LSAs converted from Type 7 LSAs.

- A. TRUE
- B. FALSE

**Correct Answer:** A

**Section:** (none)

**Explanation**

**Explanation/Reference:**

**QUESTION 93**

Which of the following statements regarding BGP route reflectors (RRs) are true?

- A. An RR advertises routes learned from a client to all connected non-clients and clients.
- B. A backbone network is divided into multiple reflection clusters. Each RR is configured as a non-client of the other RR, and establishes full-mesh IBGP connections with each other.
- C. Cluster\_List is an optional non-transitive attribute and is used to prevent loops in a cluster.
- D. The Originator\_ID attributes is generated by an RR to prevent loops between clusters.

**Correct Answer:** C

**Section:** (none)

**Explanation**

**Explanation/Reference:**

**QUESTION 94**

When router R1 runs OSPF and they display ip routing-table command is executed on R1 to check the routing table, which of the following statements regarding OSPF information in the routing table is true?

- A. In the routing table, the routing entries identified by the O\_ASE identifier can be learned only through route import.
- B. In the routing table, the routing entries identified by the OSPF identifier can be learned through Type 1/2/3/5 LSAs.
- C. A. In the routing table, the routing entries marked OSPF can be learned only through Type 1 LSAs.
- D. A. In the routing table, the routing entries identified by the OSPF identifier can be learned only through Type 3 LSAs.

**Correct Answer:** C

**Section:** (none)

**Explanation**

**Explanation/Reference:**

**QUESTION 95**

Which of the following statements regarding 802.1s deployment is true?

- A. Multiple bridges share a spanning tree instance.
- B. Each VLAN owns a spanning tree instance.
- C. Multiple VLANs share a spanning tree instance.
- D. All VLANs share a spanning tree instance.

**Correct Answer:** B

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**Section: (none)**

**Explanation**

**Explanation/Reference:**

**QUESTION 96**

Based on the key configurations, as shown in the figure, R1 and R2 establish a Level-2 neighbor relationship. Which of the following statements regarding routing entries on R2 are true?





R1  
interface LoopBack0  
    ipv6 enable  
    ipv6 address 2019::1/64  
#  
interface LoopBack1  
    ipv6 enable  
    ipv6 address 2020::1/64  
#  
interface LoopBack2  
    ipv6 enable  
    ipv6 address 2021::1/64  
#  
interface LoopBack3  
    ipv6 enable  
    ipv6 address 2022::1/64  
#  
isis 1  
  ipv6 import-route direct  
#



R2  
acl ipv6 number 2000  
  rule 5 permit source 2019::/64  
  rule 10 permit source 2020::/64  
  rule 15 deny source 2021::/64  
  rule 20 permit  
#  
isis 1  
  ipv6 filter-policy 2000 import  
#



- A. 2020:: /64 will be displayed in the IP routing table.
- B. 2021:: /64 will be displayed in the IP routing table.
- C. 2019:: /64 will not be displayed in the IP routing table.
- D. 2022:: /64 will not be displayed in the IP routing table.

**Correct Answer:** A

**Section: (none)**

**Explanation**

**Explanation/Reference:**

**QUESTION 97**

For Huawei S series switches, to control which member switch becomes the master switch of a stack, first power on the switch you wish to be the master switch, and then wait 20 seconds before powering on the other member switches.

- A. TRUE
- B. FALSE

**Correct Answer: A**

**Section: (none)**

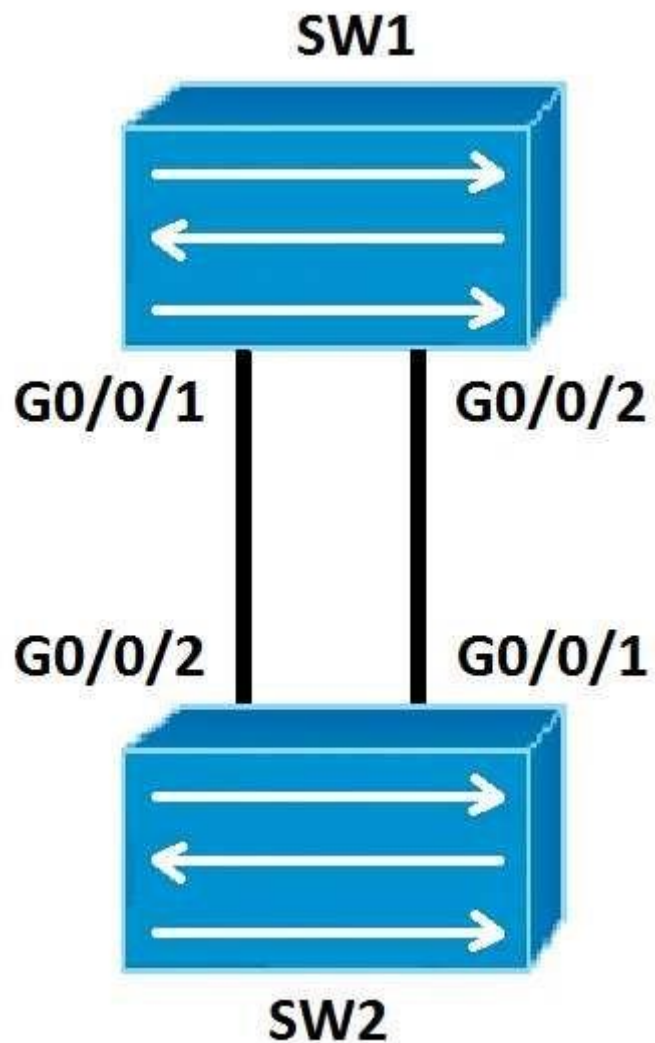
**Explanation**

**Explanation/Reference:**

Reference: <https://support.huawei.com/enterprise/en/doc/EDOC1000088745?section=j00b>

**QUESTION 98**

A network with the typology shown in the figure below is set up in a lab. On the network, SW1 uses the default configurations, and STP disables on SW2. Given this information, which of the following statements is true?



- A. G0/0/2 of SW2 enters the Discarding state.
- B. G0/0/1 of SW1 enters the Discarding state.
- C. G0/0/1 of SW2 enters the Discarding state.
- D. No interface is blocked.
- E. G0/0/2 of SW1 enters the Discarding state.

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**Correct Answer:** E

**Section:** (none)

**Explanation**

**Explanation/Reference:**

#### **QUESTION 99**

Huawei switches SWA and SWB are connected through seven physical Ethernet links and are configured with static link aggregation. On SWA, the interface and are configured in the following sequence: Ethernet 1/0/1, Ethernet 1/0/2, Ethernet 1/0/3, Ethernet 1/0/4, Ethernet 1/0/5, Ethernet 1/0/6, Ethernet 1/0/7. If only six ports are supported in a LAG on SWA and SWB, which of the following statements is true?

- A. If the configurations of different ports are consistent, SWA selects one of the seven ports at random to be the Unselected port of the LAG.
- B. If the configurations of different ports are consistent, Ethernet 1/0/6 is the Unselected port of the LAG.
- C. If the configurations of different ports are consistent, Ethernet 1/0/7 is the Unselected port of the LAG.
- D. If the configurations of different ports are consistent, Ethernet 1/0/1 is the Unselected port of the LAG.

**Correct Answer:** C

**Section:** (none)

**Explanation**

**Explanation/Reference:**



#### **QUESTION 100**

An MSTP switch considers an RSTP switch to be an MSTP region that consists of only one switch and parses RST BPDUs into MST BPDUs, in which IRPC is 0.

- A. TRUE
- B. FALSE

**Correct Answer:** A

**Section:** (none)

**Explanation**

**Explanation/Reference:**

#### **QUESTION 101**

On an RSTP-enabled switch, if the network topology changes, which of the following statements regarding changes to the Layer 2 forwarding entries learned by the switch is true?

- A. All entries, apart from the entries related to edge ports, are deleted.

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- B. If the aging time is set to 15 seconds, all the aged entries are deleted.
- C. All entries, apart from the entries related to edge ports and the entries related to the port that receives the TC BPDU, are deleted.
- D. All entries are deleted.
- E. Only the entries related to the port that receives the TC BPDU are deleted.

**Correct Answer:** C

**Section:** (none)

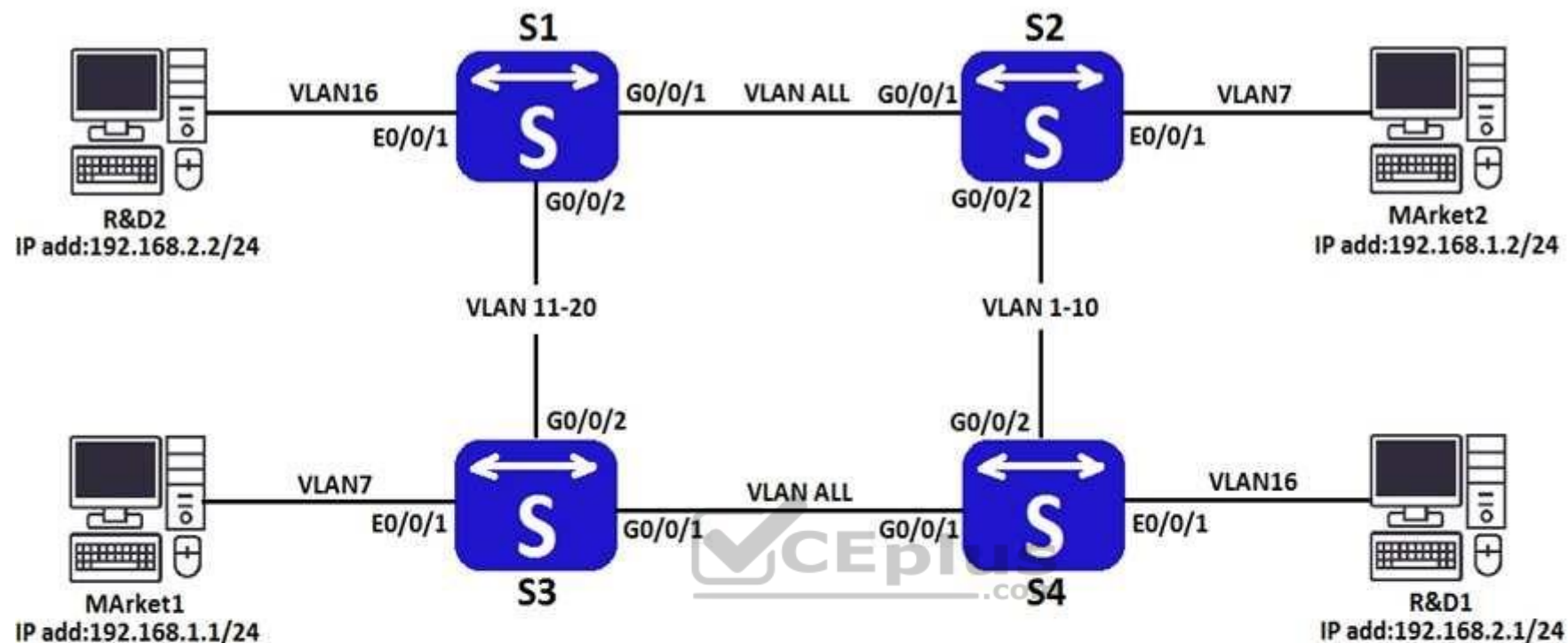
**Explanation**

**Explanation/Reference:**

#### **QUESTION 102**

The figures below show an enterprise's Layer 2 networking architecture and information displayed when engineers check the device status after communication between departments fails.





<S1>display stp brief

MSTID	Port	Role	STP State
1	GigabitEthernet0/0/1	DESI	FORWARDING
2	Ethernet0/0/1	DESI	FORWARDING
2	GigabitEthernet0/0/1	DESI	FORWARDING
2	GigabitEthernet0/0/2	DESI	FORWARDING

<S2>display stp brief

MSTID	Port	Role	STP State
1	Ethernet0/0/1	DESI	FORWARDING
1	GigabitEthernet0/0/1	MAST	FORWARDING
1	GigabitEthernet0/0/2	DESI	FORWARDING
2	GigabitEthernet0/0/1	MAST	FORWARDING

<S3>display stp brief

MSTID	Port	Role	STP State
1	Ethernet0/0/1	DESI	FORWARDING
1	GigabitEthernet0/0/1	DESI	FORWARDING
2	GigabitEthernet0/0/1	DESI	FORWARDING
2	GigabitEthernet0/0/2	MAST	FORWARDING

<S4>display stp brief

MSTID	Port	Role	STP State
1	GigabitEthernet0/0/1	ALTE	DISCARDING
1	GigabitEthernet0/0/2	MAST	FORWARDING
2	Ethernet0/0/1	DESI	FORWARDING
2	GigabitEthernet0/0/1	ALTE	DISCARDING

What are the possible causes of this communication failure?

- A. The switches have different region names.
- B. The switches have different instance-VLAN mapping configurations.
- C. The switches have different revision levels.
- D. The switches have different BPDU sending intervals.

**Correct Answer:** B

**Section:** (none)

**Explanation**

**Explanation/Reference:**

#### QUESTION 103

The ip ip-prefix ip-prefix-name [ index index-number ] {permit | deny} ipv4 address mask-length [ greater-equal greater-equal-value ] [ less-equal- less-equal-value ] command is used to configure an IP prefix list for route filtering.

If the less-equal parameter of an IP prefix list is specified in this command but the greater-equal parameter is not specified, what is the range of the created IP prefix list?

- A. [mask-length, less-equal-value]
- B. [less-equal-value, 32]
- C. Unlimited
- D. [0, less-equal-value]

**Correct Answer:** B

**Section:** (none)

**Explanation**

**Explanation/Reference:**

#### QUESTION 104

An OSPF router is connected to Area 0 and Area 1, and Area 1 is configured as a stub area.

Which type of LSAs are in Area 1?

- A. Type 1, Type 2, and Type 5 LSAs
- B. Type 1, Type 2, and Type 3 LSAs

- C. Type 3 and Type 4 LSAs
- D. Type 7 LSA
- E. Type 1 and Type 2 LSAs

**Correct Answer:** B

**Section:** (none)

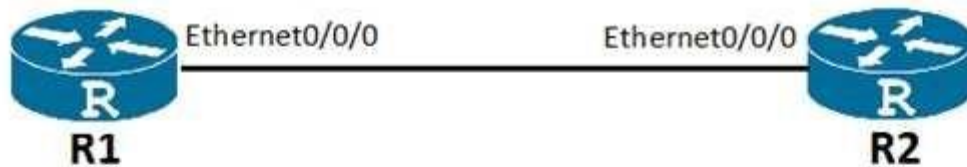
**Explanation**

**Explanation/Reference:**

**QUESTION 105**

According to the following scenario, which of the following statements are true?





```
R1
isis 1
 network-entity 49.0001.0001.0001.0001.00
#
interface Ethernet0/0/0
 ip address 10.0.12.1.255.255.255.0
 isis enable 1
 isis circuit-type p2p
 isis peer-ip-ignore
#
```

```
R2
isis 1
 network-entity 49.0001.0002.0002.0002.00
#
interface Ethernet0/0/0
 ip address 10.0.13.2.255.255.255.0
 isis enable 1
 isis circuit-type p2p
 isis peer-ip-ignore
#
interface Loopback0
 ip address 10.0.2.2.255.255.255.255
 isis enable 1
#
```

- A. R1 and R2 cannot establish a neighbor relationship.
- B. R1 has both Level-1 and Level-2 LSDBs.
- C. R1 has a route to the IP address 10.0.2.2/32 of loopback0 on R2.
- D. R1 can successfully ping the IP address of loopback0 on R2.

**Correct Answer:** A

**Section:** (none)

**Explanation**

**Explanation/Reference:**

**QUESTION 106**

Which of the following statements regarding OSPFv3 Router-LSAs is true?

- A. The data part of a Router-LSA contains the interface IDs of the local router and its neighbors' router ID.
- B. When LS type in the LSA header is 0x0001, the data part of the LSAs is a Router-LSA.
- C. Similar to OSPFv2, the Option field exists in an LSA header rather than the data part of a Router-LSA.
- D. The data part of a Router-LSA contains the link-local address.

**Correct Answer:** C

**Section:** (none)

**Explanation**

**Explanation/Reference:**

#### QUESTION 107

Which of the following statements regarding OSPFv3 is false?

- A. Multiple instances can be run on a single link.
- B. Each OSPFv3 process runs independently in a router.
- C. The OSPFv3 packet header contains the Instance ID field.
- D. Multiple instances can be run in the same OSPFv3 process on a interface.



**Correct Answer:** D

**Section:** (none)

**Explanation**

**Explanation/Reference:**

#### QUESTION 108

Router HW1 runs BGP, and has IBGP peers and EBGP peers configured.

Which of the following statements regarding the IBGP peers and EBGP peers are true?

- A. The router sends BGP updates learned from each IBGP peer to the other IBGP and EBGP peers.
- B. The IBGP peers must be directly connected. Otherwise, multi-hop IBGP must be configured on the router.
- C. The EBGP peers can establish peer relationships through loopback interfaces.
- D. The router sends BGP updates learned from each EBGP peer to the other EBGP and IBGP peers.
- E. The EBGP peers must be directly connected. Otherwise, multi-hop EBGP must be configured on the router.

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**Correct Answer:** DE

**Section:** (none)

**Explanation**

**Explanation/Reference:**

**QUESTION 109**

Which of the following statements regarding IS-IS GR is true?

- A. A new TLV is defined to support IS-IS GR.
- B. IS-IS GR is enabled by default.
- C. IS-IS GR uses four timers.
- D. IS-IS GR uses CSNPs for event notification and neighbor relationship maintenance.

**Correct Answer:** A

**Section:** (none)

**Explanation**

**Explanation/Reference:**



**QUESTION 110**

The router data is as follows. Which of the following statements is true?

```
[R3]display isis interface
```

#### Interface information for ISIS(1)

Interface	Id	IPV4.State	IPV6.State	MTU	Type	DIS
Eth0/0/0	001	Up	Up	1497	L1/L2	Yes/No
Eth0/0/1	002	Down	Up	1497	L1/L2	No/No
GE0/0/0	003	Down	Up	1497	L1/L2	No/Yes

```
[R3]display isis peer
```

#### Peer information for ISIS(1)

System Id	Interface	Circuit Id	State	Holdtime	Type	PRI
0001.0000.000	Eth0/0/0	0003.0000.0000.01	Up	22s	L1	64
0002.0000.000	Eth0/0/1	0002.0000.0000.01	Up	7a	L1	64
0004.0000.000	GE0/0/0	0003.0000.0000.03	Up	28s	L2	64

- A. IS-IS IPv4 and IS-IS IPv6 are enabled on Eth0/0/1 of R3.
- B. Ge0/0/0 of R3 and neighbor routers are in different areas.
- C. R3 is the Level-1 DIS and Level-2 DIS for the link where Eth0/0/0 resides.
- D. The circuit-level of Eth0/0/0/1 on R3 is Level-1-2.

**Correct Answer:** B

**Section:** (none)

**Explanation**

**Explanation/Reference:**

#### QUESTION 111

If multiple candidate RPs are configured in a multicast domain, which of the following parameters need to be compared when electing the RP of the group from multiple candidate RPs?

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- A. IP address of the C-RP interface
- B. Mask length of the group range that is supported by the C-RP and needs to be matched with the group address joined by receivers
- C. C-RP interface ID
- D. C-RP priority

**Correct Answer:** A

**Section:** (none)

**Explanation**

**Explanation/Reference:**

#### **QUESTION 112**

Network administrators can use CAR technology in traffic policing.

Which of the following technologies can be applied in CAR?

- A. Dual buckets at dual rates
- B. Single bucket at a single rate
- C. Three buckets at a single rate
- D. Dual buckets at a single rate



**Correct Answer:** D

**Section:** (none)

**Explanation**

**Explanation/Reference:**

#### **QUESTION 113**

Router A has an IP route with the destination network segment of 10.0.0.1/32 and outbound interface of GigabitEthernet0/0/1. The following configuration is added:

```
acl number 2000
 rule 10 permit source 10.0.1.1.0
#
traffic classifier test
 if-match acl 2000
#
traffic behavior test
 remark dscp cs3
#
traffic policy test
 classifier test behavior test
#
interface GigabitEthernet0/0/1
 ip address 10.0.12.1 255.255.255.0
 traffic-policy test outbound
#
```



Assume that router A receives a data packet with the destination IP address of 10.0.0.1.

Which of the following statements are true?

- A. If the source IP address of the data packet is 10.0.1.2, the data packet cannot be forwarded.
- B. If the source IP address of the data packet is 10.0.1.2, the data packet can be forwarded and the DSCP value is set to CS3.
- C. If the source IP address of the data packet is 10.0.1.1, the data packet can be forwarded and the DSCP value is set to CS3
- D. If the source IP address of the data packet is 10.0.1.2, the data packet can be forwarded and the DSCP value remains unchanged.

**Correct Answer:** C

**Section:** (none)

**Explanation**

**Explanation/Reference:**

**QUESTION 114**

Which of the following statements regarding VXLAN packets are true?

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- A. A VNI has 24 bits and is used to identify a VXLAN segment.
- B. The destination UDP port number is 4789.
- C. The outer destination IP address is the IP address of the remote VTEP in a VXLAN tunnel.
- D. The source UDP port number is 4789.

**Correct Answer:** AB

**Section:** (none)

**Explanation**

**Explanation/Reference:**

#### QUESTION 115

Which packet type is used when BGP EVPN is used to establish VXLAN tunnels?

- A. Type 4
- B. Type 1
- C. Type 2
- D. Type 5
- E. Type 3



**Correct Answer:** B

**Section:** (none)

**Explanation**

**Explanation/Reference:**

#### QUESTION 116

Which of the following statements regarding a TCP sliding window are false?

- A. The sender advertises the size of the initial window.
- B. If the sender does not receive an acknowledgment message after the retransmission timer times out, it retransmits the unacknowledged data.
- C. The sliding window size can only be increased or remains unchanged.
- D. A TCP sliding window allows the sender to send multiple data packets before receiving an acknowledgment message.
- E. The sender does not need to transmit packets with a complete window size.

**Correct Answer:** ABE

**Section:** (none)

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**Explanation****Explanation/Reference:****QUESTION 117**

When DLDP detects a unidirectional fiber link, Huawei devices perform the following operations by default: The DLDP state machine changes to the Disable state; a trap is generated; the interface is automatically blocked.

- A. TRUE
- B. FALSE

**Correct Answer:** A

**Section:** (none)

**Explanation****Explanation/Reference:****QUESTION 118**

Why does RSTP achieve faster convergence than STP?

- A. RSTP convergence is not based on the timer mechanism
- B. RSTP has a smaller cost value
- C. RSTP has additional port states
- D. RSTP has a smaller timer value

**Correct Answer:** A

**Section:** (none)

**Explanation****Explanation/Reference:****QUESTION 119**

Which of the following statements regarding the processing of BPDUs in 802.1w and 802.1D is true?

- A. In 802.1D, the bridge only forwards the BPDUs received from the root bridge
- B. In 802.1w, the bridge only forwards the BPDUs received from the root bridge
- C. In 802.1D, the bridge does not forward BPDUs. In 802.1w, the bridge does not forward BPDUs

**Correct Answer:** B

**Section:** (none)

**Explanation**

**Explanation/Reference:**

**QUESTION 120**

Two routers are connected through serial interfaces, but they cannot ping each other. The following information is displayed when you check the status of the connected interfaces:



```
[R1]display interface se 0/0/0
Serial0/0/0 current state : UP
Line protocol current state : DOWN
Description:
Route Port,The Maximum Transmit Unit is 1500, Hold timer is 10(sec)
Internet Address is 12.12.12.1/24
Link layer protocol is nonstandard HDLC
Last physical up time   : 2018-08-01 16:24:01 UTC-08:00
Last physical down time : 2018-08-01 16:24:00 UTC-08:00
```

```
[R2]display interface Serial 0/0/0
Serial0/0/0 current state : UP
Line protocol current state : DOWN
Description:
Route Port,The Maximum Transmit Unit is 1500, Hold timer is 10(sec)
Internet Address is 21.21.21.2/24
Link layer protocol is PPP
LCP stopped
```

Given this information, why are the two routers unable to ping each other?

- A. The subnet masks of the two interfaces do not match
- B. The IP addresses of the two interfaces are not on the same network segment
- C. The link layer protocols of the two interfaces are inconsistent
- D. The link bandwidth is insufficient

**Correct Answer:** C

**Section:** (none)

**Explanation**

**Explanation/Reference:**

**QUESTION 121**

Which of the following statements regarding BGP route filtering is false?

- A. The relationship between the nodes of a route-policy is “OR.” That is, a route matches the routing policy as long as it is allowed by one node.
- B. On the same node of a routing policy, the relationship among multiple if-match clauses for different attributes is “OR.”
- C. After a route from a BGP peer is received and a routing policy is executed to filter out unnecessary BGP routes, these routes will not be added to the local BGP routing table.
- D. When a routing policy is configured for locally advertised routes, this policy takes effect before the routes are added to the BGP routing table.

**Correct Answer:** B

**Section:** (none)

**Explanation**

**Explanation/Reference:**

Reference: <https://support.huawei.com/enterprise/en/doc/EDOC1000088880?section=j00d>

**QUESTION 122**

Which of the following statements regarding BGP route reflectors (RRs) are true?

- A. If no RR is available, IBGP peers must be fully meshed. If an RR is available, IBGP peers do not need to be fully meshed
- B. An RR can advertise routes learned from a client to the other clients and non-clients
- C. An RR can advertise routes learned from IBGP peers to all clients and non-clients
- D. An RR can advertise routes learned from non-clients to all clients

**Correct Answer:** A

**Section:** (none)

**Explanation**

**Explanation/Reference:**

**QUESTION 123**

The OSPFv3 Option field is carried in all LSAs.

- A. TRUE
- B. FALSE

**Correct Answer:** B

**Section:** (none)

**Explanation**

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**Explanation/Reference:**

**QUESTION 124**

Which of the following statements regarding control are true?

- A. For node 10, the relationship between if-match community-filter 1 and if-match as-path-filter 1 is “AND.”
- B. Default OSPF, IS-IS, and BGP routes can be advertised.
- C. An AS-Path-filter filters routes based on the AS-Path attribute to affect route selection
- D. The import-route BGP command can be used to import IBGP routes

**Correct Answer: C**

**Section: (none)**

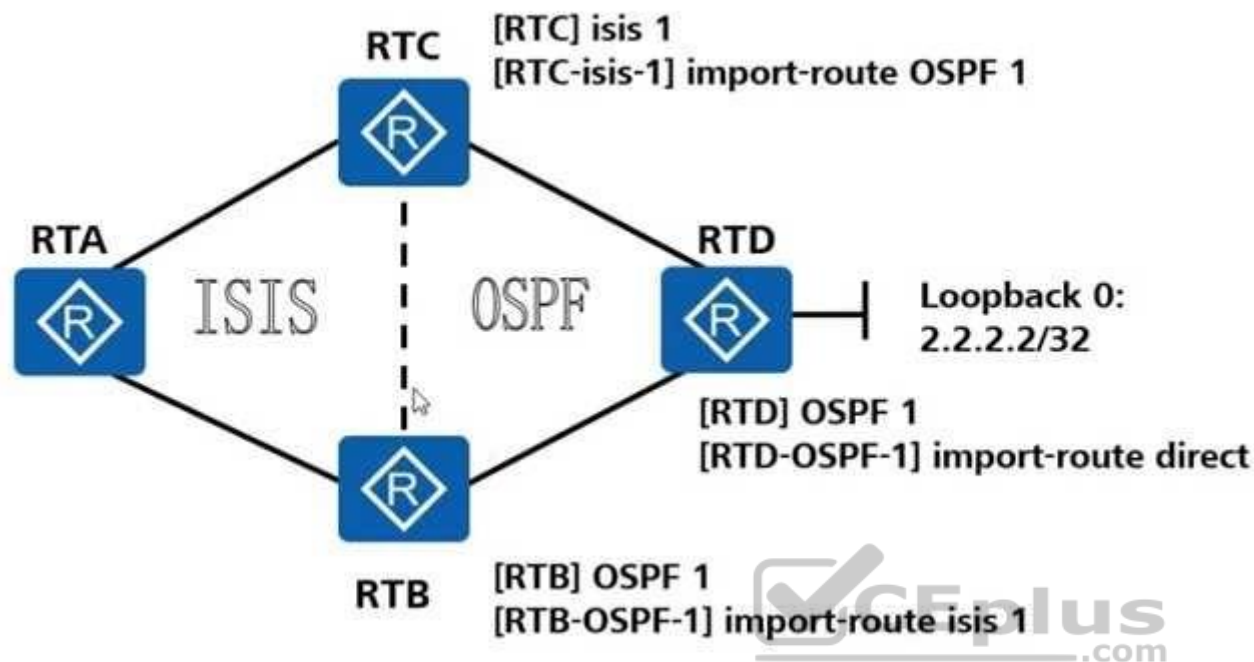
**Explanation**

**Explanation/Reference:**

**QUESTION 125**

Both IS-IS and OSPF run on a network as shown in the following figure. Route import is configured on RTB and RTC respectively. All the routers are connected through GE interfaces. Routes to the network segment 2.2.2.2/32 is imported to the OSPF process using the import-route direct command on RTD. The default settings are retained for all the other configurations. Which of the following statements regarding this network is false?





- A. The following configuration can be performed on RTC to filter out only routes to the network segment 2.2.2.2/32 when RTC imports routes: [RTC] ip ip-prefix 10 index 1 deny 2.0.0.0 8 less-equal 32  
[RTC-isis-1]filter-policy ip-prefix 10 import
- B. On RTB, adjust the IS-IS preference to 160 to avoid generation of sub-optimal routes on the network
- C. The following configuration can be performed on RTC to filter out routes from RTD to the network segment 2.2.2.2/32 when RTC imports OSPF routes: [RTC-acl-basic-2001]rule 5 deny source 2.0.0.0 0.255.255.255  
[RTC-acl-basic-2001]rule 10 permit  
[RTC-isis-1]filter-policy 2001 import
- D. RTB learns that RTA is the next hop of the route to the network segment 2.2.2.2/32

**Correct Answer:** C

**Section:** (none)

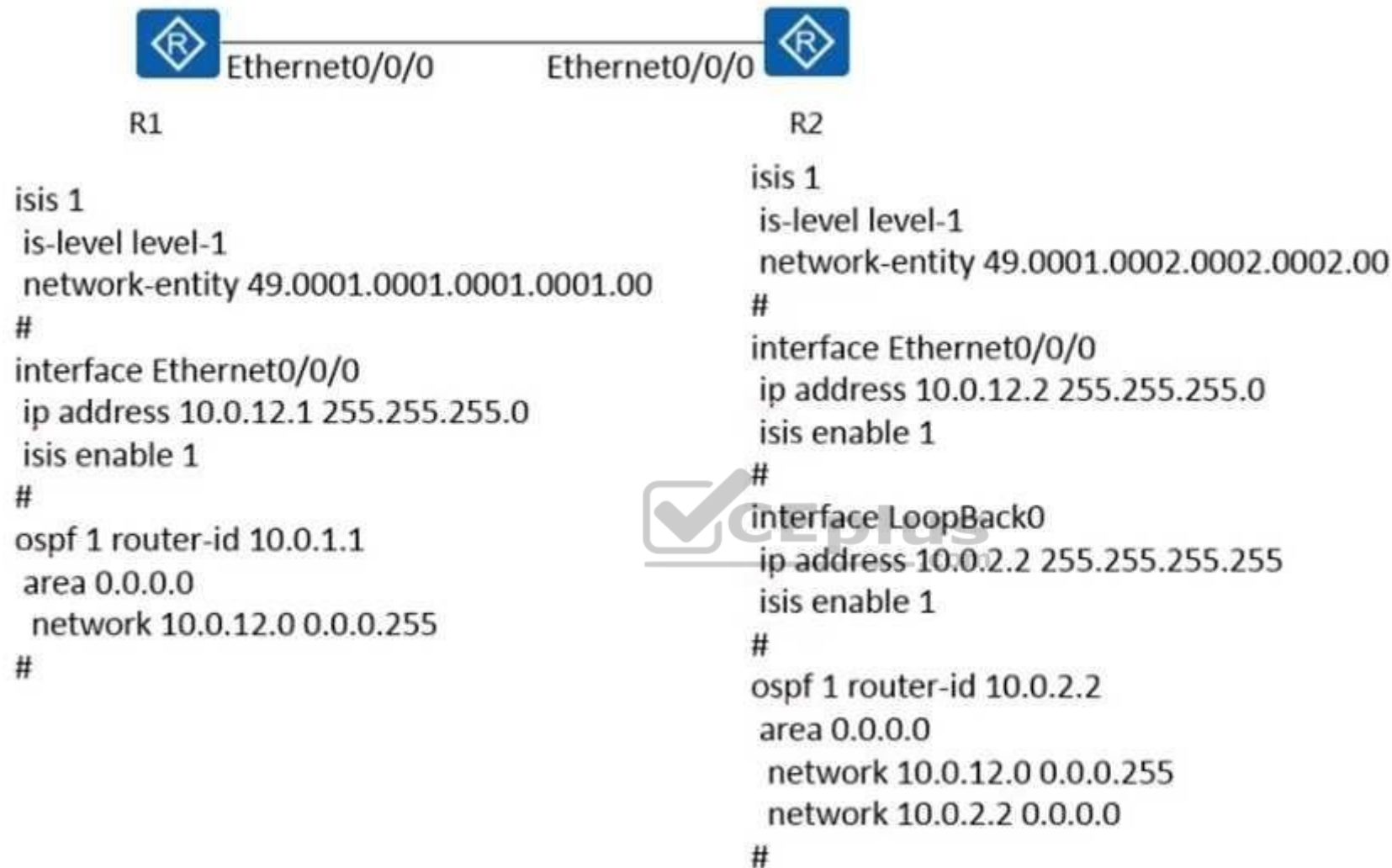
**Explanation**

**Explanation/Reference:**

**QUESTION 126**

The configurations of two routers in a company are shown. Which of the following statements regarding the routing table of R1 is true?

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- A. The IP routing entries whose destination network segment is 10.0.2.2/32 on R1 can be generated through OSPF only when the IS-IS preference of R2 is changed to 5
- B. If the IS-IS preference of R1 is changed of R1 is changed to 5, the IP routing entries whose destination network segment is 10.0.2.2/32 on R1 are generated through OSPF
- C. If the IS-IS preference of R1 is changed to 5, the IP routing entries whose destination network segment is 10.0.2.2/32 on R1 are generated through IS-IS

D. If the IS-IS preference of R2 is changed to 5, the IP routing entries whose destination network segment is 10.0.2.2/32 on R1 are generated through IS-IS

**Correct Answer:** C

**Section:** (none)

**Explanation**

**Explanation/Reference:**

#### **QUESTION 127**

Which of the following statements regarding Security Association (SA) in IPsec is false?

- A. An IPsec VPN connection can be established only when the bidirectional SA exists between IPsec peers
- B. An SA is identified by three parameters: security parameter index (SPI), destination IP address, and security protocol ID (AH or ESP)
- C. You can run the display ipsec sa command to view the encryption algorithm used and traffic of interest between IPsec peers
- D. IPsec can only use symmetric encryption algorithms to encrypt and decrypt data

**Correct Answer:** D

**Section:** (none)

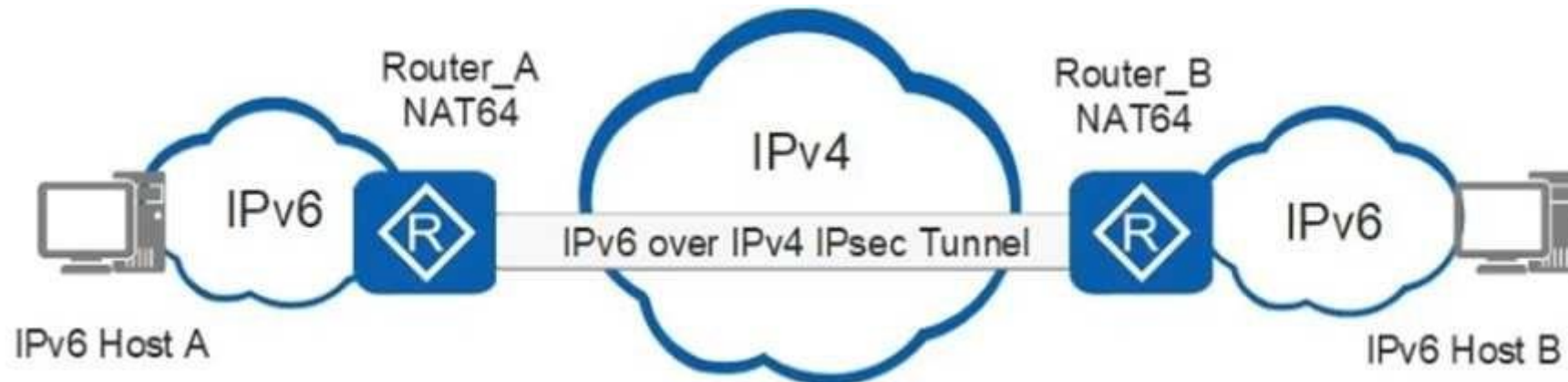
**Explanation**

**Explanation/Reference:**



#### **QUESTION 128**

As shown in the figure, two IPv6 networks need to access the IPv4 network. An IPsec tunnel needs to be established between the two IPv6 networks to enable communication. Which of the following encapsulation modes can meet the preceding requirements?



- A. AH+ transmission mode
- B. AH+ tunnel mode
- C. ESP+ tunnel mode
- D. All the preceding options are incorrect

**Correct Answer:** D

**Section:** (none)

**Explanation**

**Explanation/Reference:**

#### QUESTION 129

Which of the following statements regarding 802.1X authentication, RADIUS authentication, and HWTACACS authentication are true?

- A. A user cannot be authenticated by both RADIUS authentication and 802.1X authentication.
- B. A user cannot be authenticated by both RADIUS authentication and HWTACACS authentication.
- C. A user can be authenticated by both RADIUS authentication and HWTACACS authentication. This is more secure than using just one authentication method.
- D. Users can access a network through 802.1X authentication, and can be authenticated through RADIUS authentication.

**Correct Answer:** B

**Section:** (none)

**Explanation**

**Explanation/Reference:**

**QUESTION 130**

A family user has subscribed to a bandwidth of 10 Mbit/s. To improve user experience, the carrier ensures a rate of 12 Mbit/s during tests. If token bucket technology is used to cope with this requirement, which of the following methods is optimal?

- A. cir 10000 cbs 12000 pbs 12000
- B. cir 8000 pir 12000
- C. cir 10000 pir 12000
- D. cir 10000 cbs 10000 pbs 12000

**Correct Answer:** D

**Section:** (none)

**Explanation**

**Explanation/Reference:**

**QUESTION 131**

In a BGP EVPN distributed gateway scenario, which of the following packet types is required to implement VM migration?

- A. Type 1
- B. Type 2
- C. Type 3
- D. Type 5
- E. Type 4

**Correct Answer:** B

**Section:** (none)

**Explanation**

**Explanation/Reference:**

Reference: <https://support.huawei.com/enterprise/my/doc/EDOC1000180270/5d103d4d/configuring-vxlan-in-distributed-gateway-mode-using-bgp-evpn>

**QUESTION 132**

The precedence field in VLAN (802.1Q) data encapsulation has six bits.

- A. TRUE
- B. FALSE

**Correct Answer:** B

Section: (none)

Explanation

Explanation/Reference:

#### QUESTION 133

Which of the following configurations can be used to prevent users from connecting a hub to an access port on a switch allowing multiple device to access the network? A.

```
[Huawei]interface GigabitEthernet 0/0/1  
[Huawei-GigabitEthernet0/0/1]port link-type access  
[Huawei-GigabitEthernet0/0/1]port-security enable
```

```
[Huawei]interface GigabitEthernet 0/0/1  
[Huawei-GigabitEthernet0/0/1]port link-type trunk  
[Huawei-GigabitEthernet0/0/1]port trunk allow-pass vlan 10
```

```
[Huawei]interface GigabitEthernet 0/0/1  
[Huawei-GigabitEthernet0/0/1]port link-type access  
[Huawei-GigabitEthernet0/0/1]ipsg enable
```

```
[Huawei]interface GigabitEthernet 0/0/1  
[Huawei-GigabitEthernet0/0/1]port link-type access  
[Huawei-GigabitEthernet0/0/1]port-isolate enable
```

B.

C.

D.

**Correct Answer:** A

**Section:** (none)

**Explanation**

**Explanation/Reference:**

#### **QUESTION 134**

On a LAN running STP (802.1D), which of the following parameters will not be received by a non-root switch from the root switch?

- A. Forward delay
- B. Hold time
- C. MaxAge
- D. Hello time
- E. Root Path cost

**Correct Answer:** B

**Section:** (none)

**Explanation**

**Explanation/Reference:**



#### **QUESTION 135**

To reduce the amount of OSPF data and routing information in some areas, OSPF has special area types. Which of the following statements regarding OSPF special areas is true?

- A. The ASBR-summary-LSA can be advertised to an NSSA
- B. The AS-external-LSA can be advertised to a stub area
- C. Any OSPF area can be configured as a special area
- D. A router in a special area cannot establish an OSPF neighbor relationship with a router in a common area

**Correct Answer:** C

**Section:** (none)

**Explanation**

**Explanation/Reference:**

#### **QUESTION 136**

Which of the following technologies can be used to improve the MPLS BGP VPN reliability?

- A. VPN GR
- B. FRR for private IP routes between PEs and CEs
- C. VPN FRR
- D. CE dual-homing networking at the access layer

**Correct Answer:** ACD

**Section:** (none)

**Explanation**

**Explanation/Reference:**

#### QUESTION 137

Typically, users within a VPN only communicate with other users in the same VPN. They cannot communicate with users on the Internet or access the Internet. Many VPN sites, however, may need to access the Internet. Which of the following statements regarding interconnection between the VPN and the Internet are true?

- A. The interconnection between the VPN and the Internet can be implemented on the PE. However, the implementation is complex and may bring security risks. The PE is vulnerable to DoS attacks from the Internet.
- B. Directly connect the CE to the Internet on the user side. Each user site can independently access the Internet. That is, a default route destined for the Internet is configured on the CE of each site.
- C. Configure the PE to send a default route destined for the Internet to the CE, and add a default route destined for the Internet gateway to the VPN instance routing table.
- D. Isolating public network routes and VPN routes on the user side is simple, secure, and reliable.

**Correct Answer:** ACD

**Section:** (none)

**Explanation**

**Explanation/Reference:**

#### QUESTION 138

Which MAC address corresponds to the multicast IP address 229.130.130.1?

- A. 01-00-5E-82-82-01
- B. 00-00-5E-02-82-01
- C. 01-00-5E-02-82-01



D. 00-00-5E-82-82-01

**Correct Answer:** A

**Section:** (none)

**Explanation**

**Explanation/Reference:**



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