H12-261

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Exam A

QUESTION 1
Which parameter will not be received from the root bridge by a non-root bridge running 802.1D STP?

A. Forward delay
B. Hello time
C. Root cost
D. Hold time
E. Max Age

Correct Answer: D
Section: (none)
Explanation

Explanation/Reference:

QUESTION 2
Which of the following statements is true about the port mirroring on Huawei devices?

A. Huawei devices support port mirroring on the control traffic sent to the CPU
B. Huawei devices support flow-based port mirroring. The mirrored traffic can be copied onto multiple observing ports
C. Traffic in the RSPAN is transmitted to observing ports in multicast mode
D. When the observing port becomes congested, mirrored packets cannot be discarded because these packets have higher priority than service traffic

Correct Answer: A

Section: (none)
Explanation

Explanation/Reference:
QUESTION 3
If a Gigabit Ethernet port receive buffer becomes full on a LAN switch, what protocol can be used to request that the remote port delay sending frames for a specified time?

A. 802.3AF
B. 802.1D
C. 802.3
D. 802.3X
E. 802.1U

Correct Answer: D
Section: (none)
Explanation

Explanation/Reference:

QUESTION 4
When receives or transmits data frames on an access port, what will the switch do?

A. Switch will send tagged frames belong to a specified vlan
B. When received a tagged frame from an access port. Switch may forward it vlan
C. Switch will learn the MAC-address only on access port
D. Switch only receives untagged frames from access port and drop all tagged frames

Correct Answer: A
Section: (none)
Explanation

Explanation/Reference:

QUESTION 5
Spanning Tree Protocol calculates path cost based on which of the following?

A. Interface bandwidth

B. Interface delay

C. Hop count

D. Interface bandwidth and delay

E. Bridge priority

Correct Answer: A
Section: (none)
Explanation

Explanation/Reference:

QUESTION 6

On router HW1, you want to view the status of a frame relay connection. Which "display" commands will show the status of a Frame-Relay PVC?

A. display frame relay interface

B. display frame relay pvc

C. display fr lmi-info

D. display fr map-info interface Serial 0/0/0

E. display fr interface Serial 0/0/0

F. display fr inarp-info

Correct Answer: DE
Section: (none)
Explanation

Explanation/Reference:

QUESTION 7

HW has a Frame Relay network with two sites (a headquarters site and a remote site) connected by a single PVC. RIP version 2 is running in the network. A new remote site is added and HW has ordered a second PVC between this site and the headquarters site. All Frame Relay interface IP addresses are in a single subnet. The customer configured Frame Relay DLCI mappings and can successfully ping from the new remote to the headquarters site as well as to the other remote site. However, the new router does not have a route in its route table to the other remote site's LAN, and cannot ping the LAN interface or any hosts on that LAN. What is most likely causing the problem?

A. Triggered updates should be configured on the headquarters router, to directly forward routing updates between the two remote sites

B. The headquarters site router has split-horizon enabled on the frame-relay interface

C. Neighbor statements are not configured on the two remote sites, pointing to all other sites

D. The frame-relay IP to DLCI mappings are incorrectly configured

E. RIP cannot propagate routing updates over a partial mesh frame-relay configuration, so another routing protocol should be selected

Correct Answer: B
Section: (none)
Explanation

Explanation/Reference:

QUESTION 8

```
RTA:
interface Ethernet0/0
ip address 10.1.1.1 255.255.255.0
interface Ethernet0/1
ip address 30.1.1.1 255.255.255.0
ospf 100
area 0.0.0.0
network 10.1.1.0 0.0.0.255
network 30.1.1.0 0.0.0.255
RTB:
interface Ethernet0/0
ip address 10.1.1.2 255.255.255.0
interface Ethernet0/1
ip address 20.1.1.2 255.255.255.0
ospf 100
area 0.0.0.0
network 10.1.1.0 0.0.0.255
ospf 200
area 0.0.0.0
network 20.1.1.0 0.0.0.255
RTC:
interface Ethernet0/0
ip address 30.1.1.2 255.255.255.0
interface Ethernet0/1
ip address 20.1.1.1 255.255.255.0
ospf 200
area 0.0.0.0
network 20.1.1.0 0.0.0.255
network 30.1.1.0 0.0.0.255
```

Based on the preceding networking and configurations, which of the following statements is true?

A. Route flapping occurs
B. RTB and RTC cannot establish a neighbor relationship
C. RTA and RTB cannot establish a neighbor relationship
D. A neighbor relationship can be established; all network segments are reachable

Correct Answer: D
Section: (none)
Explanation

Explanation/Reference:

QUESTION 9
When a router is building a routing table from different routing protocols, which of the following will determine the routes to be installed in the routing table?

A. The fastest routing process
B. uniqueness
C. Higher preference value
D. The route with the largest next-hop address
E. Low Router ID

Correct Answer: C
Section: (none)
Explanation

Explanation/Reference:

QUESTION 10
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 11
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
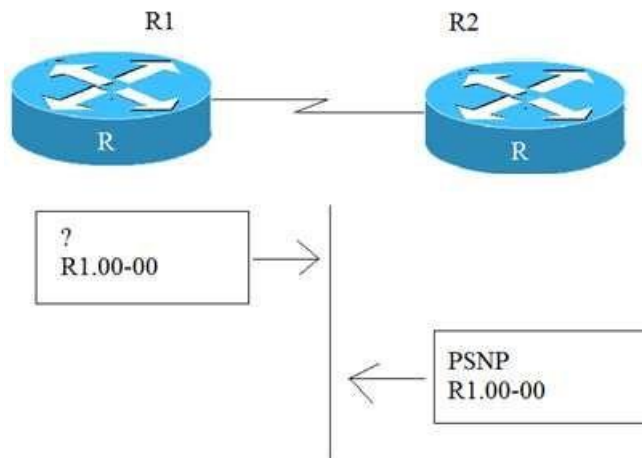
Correct Answer: C
Section: (none)
Explanation

Explanation/Reference:

QUESTION 12
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?

R1   R2

?
R1.00-00

PSNP
R1.00-00

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 13
Which of following statements is true about IS-IS LDP synchronization?

A. LDP establishes a neighbor relationship faster than IS-IS, so LDP synchronization is disabled by default
B. LDP synchronization can prevent traffic loss during an active/standby link switchover
C. LDP synchronization can be enabled globally
D. LDP synchronization can be configured on Loopback interfaces

Correct Answer: C
Section: (none)

Explanation
Explanation/Reference:

QUESTION 14
When a router within the HW network makes a forwarding decision, the _____is always used to select the best route from those installed in the routing table.

A. Routing process ID
B. Longest prefix match
C. Administrative Distance
D. Router ID
E. Peer ID

Correct Answer: B
Section: (none)
Explanation

Explanation/Reference:

QUESTION 15
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 16

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 17
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 18
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 19
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 20
On a RIPng 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
[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
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 22
Source Specific Multicast (SSM)is being used throughput the HW IP Multicast network. Which of the following three statements about SSM are true? (Choose three.)

A. SSM uses Shortest-Path Trees Only
B. There are no RPs to worry about
C. SSM is best suited for applications that are of the Many-to-Many category
D. SSM uses shared Trees only
E. The use of SSM is recommended when there are many sources and it is desirable to keep the amount of mroute state in the routers in the network to a minimum.
F. SSM is best suited for applications that are of one-to-many category

Correct Answer: ABF
Section: (none)
Explanation

Explanation/Reference:
QUESTION 23
Which Multicast Protocols use Reverse Path Forwarding (RPF) information when sending multicast traffic streams towards receivers within HW routers?

A. PIM Dense Mode
B. DVMRP
C. Multicast OSPF
D. PIM Sparse Mode

Correct Answer: AB
Section: (none)
Explanation

Explanation/Reference:

QUESTION 24
A (*,G) multicast entry is associated with which multicast type of feature within the HW IP multicast network?

A. Shared tree
B. Dense Mode
C. Source tree
D. Sparse Mode
E. Dense Tree
F. PIM bidirectional

Correct Answer: ADF
Section: (none)
Explanation

Explanation/Reference:

QUESTION 25

The HW network consists of Network A and B that are connected via Router HW1 and Router HW2. The HW network is shown in the following exhibit. To set up an IPSec VPN between routers HW1 and HW2, which of the following crypto access-lists must be configured on Router HW1 in order to send LAN to LAN traffic across the encrypted VPN tunnel?
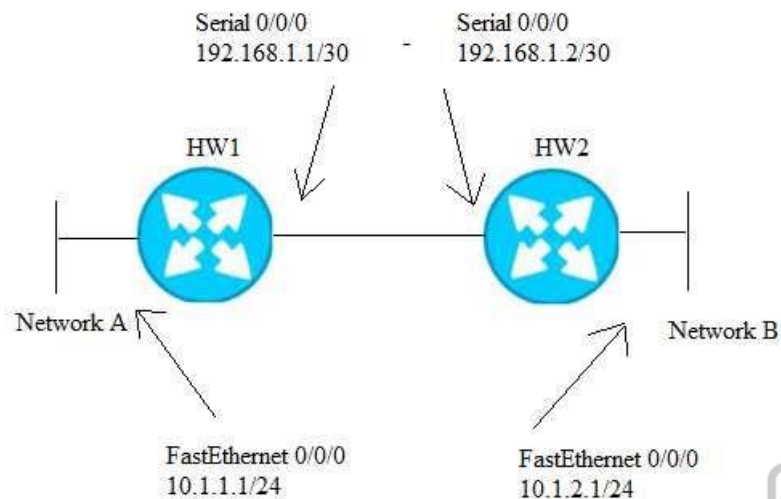
A. rule permit ip source 10.1.2.0 0.0.0.255 destination 10.1.1.0 0.0.0.255
B. rule permit ip source 10.1.1.0 0.0.0.255 destination 192.168.1.2 0
C. rule permit ip source 198.168.1.1 0 destination 192.168.1.2 0
D. rule permit ip source 10.1.1.0 0.0.0.255 destination 10.1.2.0 0.0.0.255
E. rule permit ip source 192.168.1.1 0 destination 10.1.2.0 0.0.0.255

Correct Answer: D
Section: (none)
Explanation

Explanation/Reference:

QUESTION 26
To configure AAA, you need to define a RADIUS server. The RADIUS server is configured as follows:
[Huawei]radius-server template EXAM
[Huawei-radius-EXAM] radius-server shared-key cipher HUAwei123

[Huawei-radius-EXAM] radius-server authentication 10.7.66.66 1812
[Huawei-radius-EXAM] radius-server authorization 10.7.66.66 1812
[Huawei-radius-EXAM] radius-server accounting 10.7.66.66 1813
[Huawei-radius-EXAM] radius-server retransmit 2
A. FALSE
B. TRUE

Correct Answer: B
Section: (none)
Explanation

Explanation/Reference:

QUESTION 27
Which of the following lists, in the correct order, the protocols that use TCP ports 443, 179, 137, 110, and 23?

A. HTTPS, BGP, NetBios Name Server, POP3, Telnet
B. Finger, DHCP Server, NetBios Name Server, POP3, Telnet
C. BGP, POP3, SNMP, TFTP, Telnet
D. LDAP, SNMP, TFTP, POP3, Telnet
E. HTTPS, SNMP, POP3, DNS, Telnet

Correct Answer: A
Section: (none)
Explanation

Explanation/Reference:

QUESTION 28
Which of the following statements are false about Weighted Round Robin (WRR)?

A. WRR is a congestion management technology
B. WRR prevents congestion on the network
C. WRR ensures important traffic being forwarded first
D. WRR ensures that all queues being serviced

E. WRR cannot be used on gigabit-ethernet interfaces

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

QUESTION 29
Which of the following are functions of Random Early Discard (RED)?

A. Avoiding global synchronization for TCP traffic
B. Performs rate limiting on the specified data traffic
C. Ensuring that high priority traffic gets sent first
D. Preventing starvation in lower priority queues
E. Minimizing packet delay jitter

Correct Answer: AE
Section: (none)
Explanation

Explanation/Reference:

QUESTION 30
You must ensure that mission critical traffic is prioritized in the HW network. The IP precedence of a packet can be determined by which of the following?

A. The three most significant bits of the ToS byte
B. All 8 bits of the ToS byte
C. The three least significant bits of the ToS byte
D. Bit 4, 5, and 6 of the ToS byte

Correct Answer: A
Section: (none)
Explanation

Explanation/Reference:

QUESTION 31
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 32
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 33
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 34
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 35

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                  0
                    1536                  0
arp-request         2003                  0              2018-05-21 16:56:39
                  140044                  0
```

A.

[CE02]display interface brief | include up
InUti/OutUti: input utility/output utility

Interface	PHY	Ptotocol	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
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.

[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.

B.

C.

D.

Correct Answer: A
Section: (none)
Explanation

Explanation/Reference:
Reference: http://support.huawei.com/onlinetoolweb/ptmngsys/Web/tsrev_ce/en/content/ce/08_edesk_dc_mac-address_flapping/edesk_dc_macaddress_flapping_edesk002.html

QUESTION 36
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.
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 37
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 38
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: 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 39
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 40
On a broadcast network, DIS election starts only after the neighbor relationship is established.
A. TRUE
B. FALSE

Correct Answer: A

Section: (none)
Explanation

Explanation/Reference:

QUESTION 41
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 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.

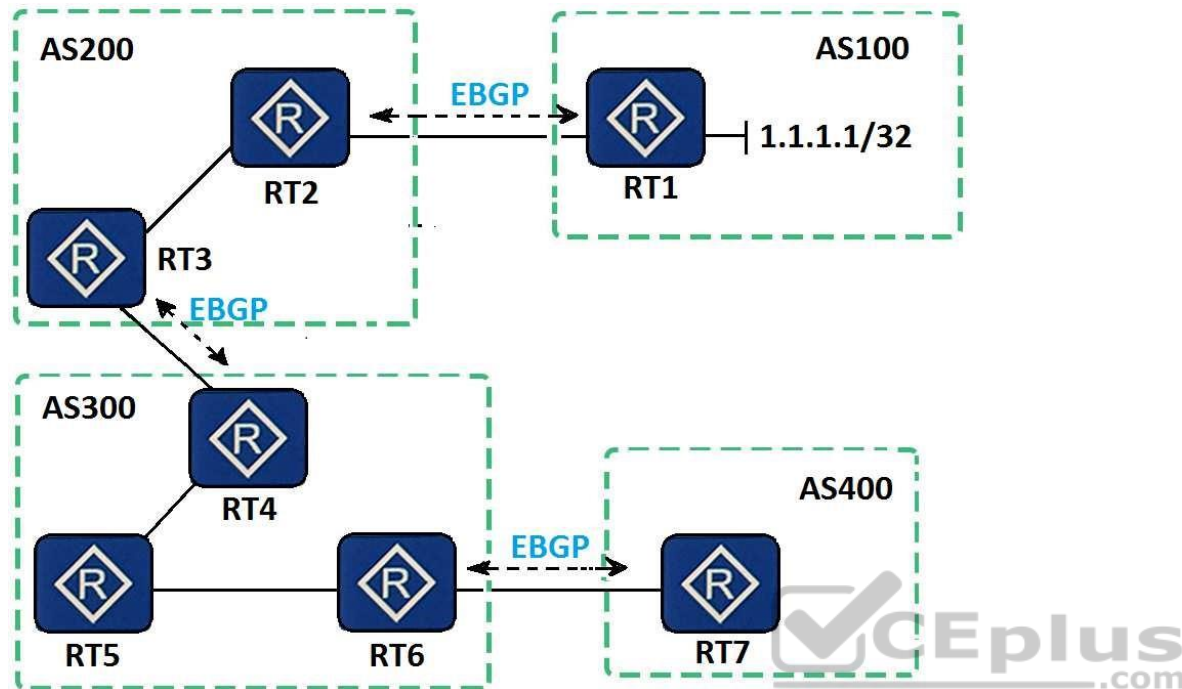A. TRUE
B. FALSE

Correct Answer: B
Section: (none)
Explanation

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
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
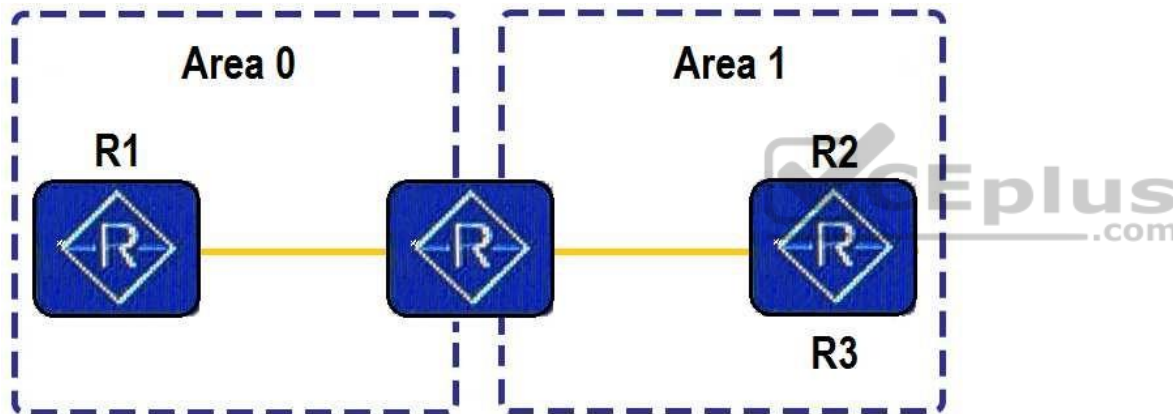
B. IP-prefix
C. Community-filter
D. AS-Path-filter

Correct Answer: A
Section: (none)
Explanation

Explanation/Reference:

QUESTION 46

As shown in the following figure, R1, R2, and R3 run OSPF and advertise their loopback interface addresses into OSPF. Which of the following statements is false?

A. The filter import command can be executed on R2 in Area 0 to filter loopback interface routes of R3.
B. The filter-policy import command can be executed on R1 to filter loopback interface routes of R3.
C. The filter export command can be executed on R2 in Area 1 to filter loopback interface routes of R3.
D. The filter-policy export command can be executed on R2 to filter loopback interface routes of R3.

Correct Answer: A

Section: (none)
Explanation

Explanation/Reference:
QUESTION 47
After IS-IS area authentication is configured, which of the following IS-IS packets will carry authentication information?

A. IS-IS Level-1 SNPs and LSPs
B. IS-IS Level-1 Hello PDUs
C. IS-IS Level-2 Hello PDUs
D. IS-IS Level-2 SNPs and LSPs

Correct Answer: A
Section: (none)
Explanation

Explanation/Reference:
Reference: https://support.huawei.com/enterprise/mx/doc/EDOC1100027150?section=j03h&topicName=is-is-authentication

QUESTION 48
In an existing OSPF network, which types of LSAs cause the SPF calculation?

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

Correct Answer: AD
Section: (none)
Explanation

Explanation/Reference:

QUESTION 49
Which of the following statements regarding IS-IS LSP fragment extension is true?

A. LSP fragment extension enables an IS-IS router to generate multiple LSP fragments to carry more IS-IS information.

B. An IS-IS router can generate a maximum of 1024 LSP fragments.

C. LSP fragment extension is implemented by adding virtual systems, with a maximum of 1000 virtual systems supported.

D. LSP fragment extension is also valid for Hello PDUs.

Correct Answer: A

Section: (none)

Explanation

Explanation/Reference:

QUESTION 50

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 51

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 52
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.

Correct Answer: A
Section: (none)
Explanation

Explanation/Reference:

QUESTION 53
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?
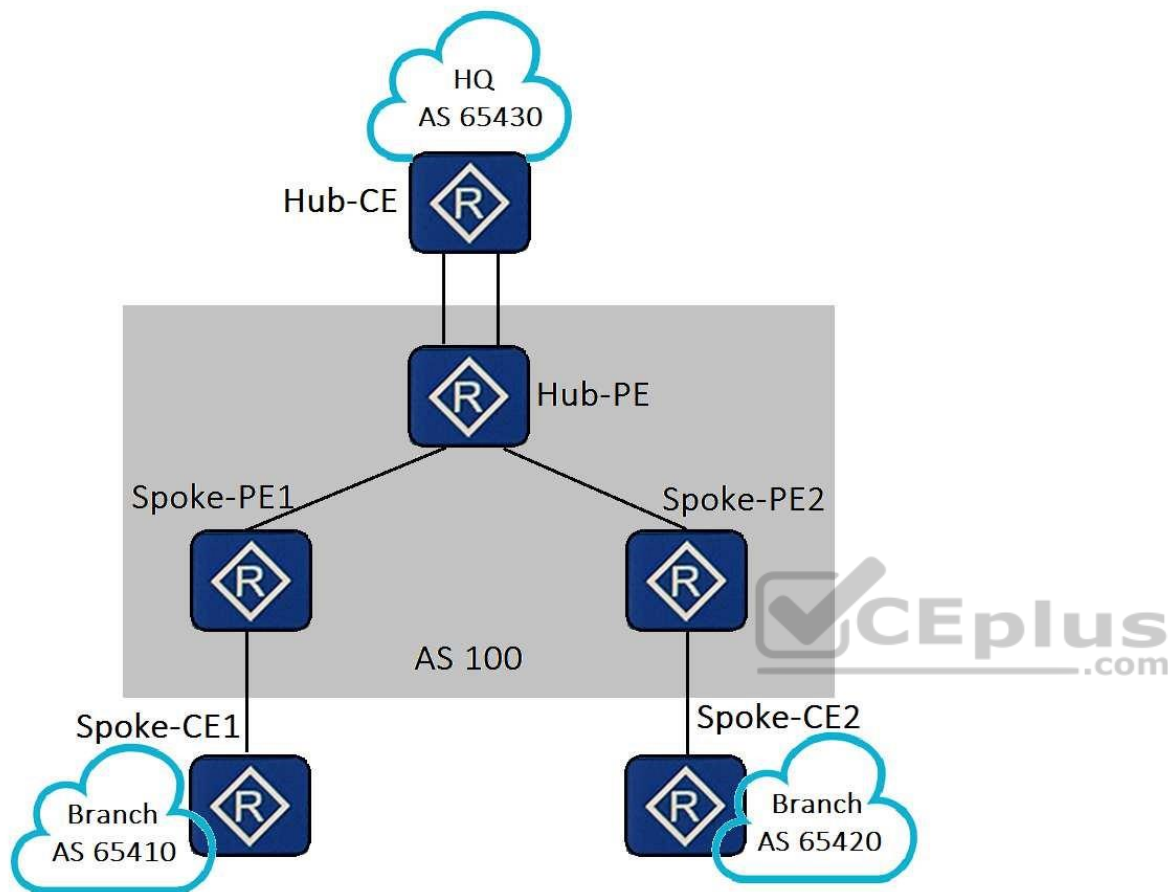
A. When the Hub-CE and Hub-PE use EBGP to transmit routing information, the Hub-PE must be able to accept routes with the AS number repeated once so that routes advertised by the Hub-CE can be received.
B. OSPF can be used to exchange routing information between Hub-CEs and Hub-Pes as well as between 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 54
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 55
If PIM-SM is enabled on a multicast network, only after multicast tress 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.

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 56
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 57
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 58
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 59
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

Explanation/Reference:

QUESTION 60
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 IPSG
C. Configure DAI
D. Limit the maximum number of DCHP snooping binding entries that can be learned on an interface.

Correct Answer: D
Section: (none)
Explanation

Explanation/Reference:

QUESTION 61

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 62
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 63
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 64
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 65
Subnets of one subnet is as follows: RT=10:10 both and TR=1000:1000 export in the EVPN instance and RT=100:100 in the VPN instance. Which of the following configurations can be made for another subnet?

A. 1000:1000 both in the EVPN instance
B. 1000:1000 both evpn in the VPN instance
C. 10:10 both in the VPN instance
D. 1000:1000 export in the EVPN instance

Correct Answer: A
Section: (none)
Explanation

Explanation/Reference:

QUESTION 66
Which of the following statements regarding the BFD one-arm-Echo function are true? (Choose two.)

A. Local and remote discriminators must be configured for this function.
B. After this function is enabled, the destination and source IP addresses of BFD packets are the same.
C. This function is applicable when one device supports BFD and the other device does not.
D. The default destination IP address of a BFD packet is 224.0.0.184.

Correct Answer: CD
Section: (none)
Explanation

Explanation/Reference:

QUESTION 67
Which of the following statements regarding the basic MPLS forwarding process is false?

A. When an IP packet enters an MPLS domain, the device checks whether the tunnel ID corresponding to the destination IP address of the packet is 0x0. If so, the MPLS forwarding process starts.
B. By default, the egress node supporting PHP allocates the label with the value of 3 to the penultimate hop.
C. A transit node replaces a label on the top of the label stack in an MPLS packet with the label assigned by the next hop.
D. When an IP packet enters an MPL5 domain, the MPLS edge device inserts a new label between the Layer 2 header and the IP header of the packet.

Correct Answer: A
Section: (none)
Explanation

Explanation/Reference:

QUESTION 68
In which of the following scenarios will gratuitous ARP packets be sent?

A. A host connected to the switch sends a ping packet.
B. The DHCP client receives an acknowledgment message from the server
C. A new host with an IP address is connected to the network.
D. The master and backup devices are elected in VRRP.

Correct Answer: D
Section: (none)
Explanation

Explanation/Reference:

QUESTION 69
What is the function of Route Target (RT) on an MPLS VPN?

A. Allows the remote PE to determine which VPNv4 routes should not be imported to a specific VRF instance.
B. Allows the remote CE to determine which VPNv4 routes be imported to a specific VRF instance.
C. Allows the remote PE to determine which VPNv4 routes be imported to a specific VPN routing and forwarding (VRF) instance.
D. Allows the remote CE to determine which VPNv4 routes should not be imported to a specific VRF instance.

Correct Answer: C

Section: (none)
Explanation

Explanation/Reference:

QUESTION 70
The function of the Hop Limit field in an IPv6 basic header is similar to the function of which field in an IPv4 header?

A. Protocol
B. Time to Live
C. Flags
D. Identification

Correct Answer: B
Section: (none)
Explanation

Explanation/Reference:

QUESTION 71
Which of the following statements regarding OSPF route filtering is false?

A. The filtering of Type 3 LSAs needs to be configured on ABRs in OSPF.
B. In a NSSA, when external routes are imported to the OSPF router and LSAs are advertised to its neighbors, LSA filtering can be performed on the ASBR or ABR.
C. All LSAs, except Grace LSAs, can be filtered based on interfaces in the inbound and outbound directions.
D. When routes are calculated based on the LSDB, the filter-policy import command can be executed to filter routes. This filtering mode affects only the addition of routes in the routing table, and has no impact on the OSPF LSDB.

Correct Answer: C
Section: (none)
Explanation

Explanation/Reference:

QUESTION 72
Which messages are sent to the agent by the network management station (NMS) running SNMPv1?
A. Trap, Get, and Set messages
B. Only Trap messages
C. Get, Set, and GetNext messages
D. Get, Set, and GetBulk messages
E. Get, Set, and GetNext, and GetBulk messages

Correct Answer: C
Section: (none)
Explanation

Explanation/Reference:

QUESTION 73
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 74
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.

Correct Answer: C
Section: (none)
Explanation

Explanation/Reference:

QUESTION 75
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 76
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 77
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 78
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 79
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

QUESTION 80
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 81
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 82

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

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 83
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 84
IS-IS elects a DIS on a broadcast network. Which of the following statements regarding DIS are true? (Choose three.)

A. DIS preemption is supported. After successful DIS preemption, LSPs do not need to be flooded.
B. IS-IS elects the DIS by comparing preferences. If the preferences are the same, IS-IS compares MAC addresses.
C. On a broadcast network, the DIS sends Hello PDUs at a frequency that is three times the frequency of non-DIS routers.
D. The DIS periodically sends CSNPs to ensure LSDB synchronization.

Correct Answer: BCD

Section: (none)
Explanation

Explanation/Reference:

QUESTION 85
Routers R1 and R2 run BGP. Both the routers reside in AS 65234. Routes of R2 exist in the BGP routing of R1 but do not exist in the IP routing table of R1. What is the cause of this problem?

A. BGP is disabled on both R1 and R2.

B. Multi-hop BGP is disabled on R1.

C. The routes are not optimal.

D. The BGP peer relationship between R1 and R2 is in Down state.

Correct Answer: D
Section: (none)
Explanation

Explanation/Reference:

QUESTION 86
In the figure, the first record shows an LSP in the LSDB of a router, and the second record shows a newly received LSP. Which of the following statements is false?

```
  Level-2 Link State Database

LSPID               Seq Num       Checksum   Holdtime   Length   ATT/P/OL
----------------------------------------------------------------------------
0002.0002.0002.00-00   0x00000019   0x4eeb     786        102      0/0/0


  Level-2 Link State Database

LSPID               Seq Num       Checksum   Holdtime   Length   ATT/P/OL
----------------------------------------------------------------------------
0002.0002.0002.00-00   0x00000020   0x4eeb     800        102      0/0/0
```

A. The router adds the newly received LSP to the LSDB.

B. The router will ignore the LSPs received from neighbors.

C. The router sends PSNPs if it is a point-to-point network.

D. If it is a broadcast network, the DIS adds the summary information of the newly received LSP to the next CSNP.

Correct Answer: B
Section: (none)
Explanation

Explanation/Reference:
QUESTION 87
The IS-IS overload bit is set on R3. Which of the following statements are true? (Choose three.)
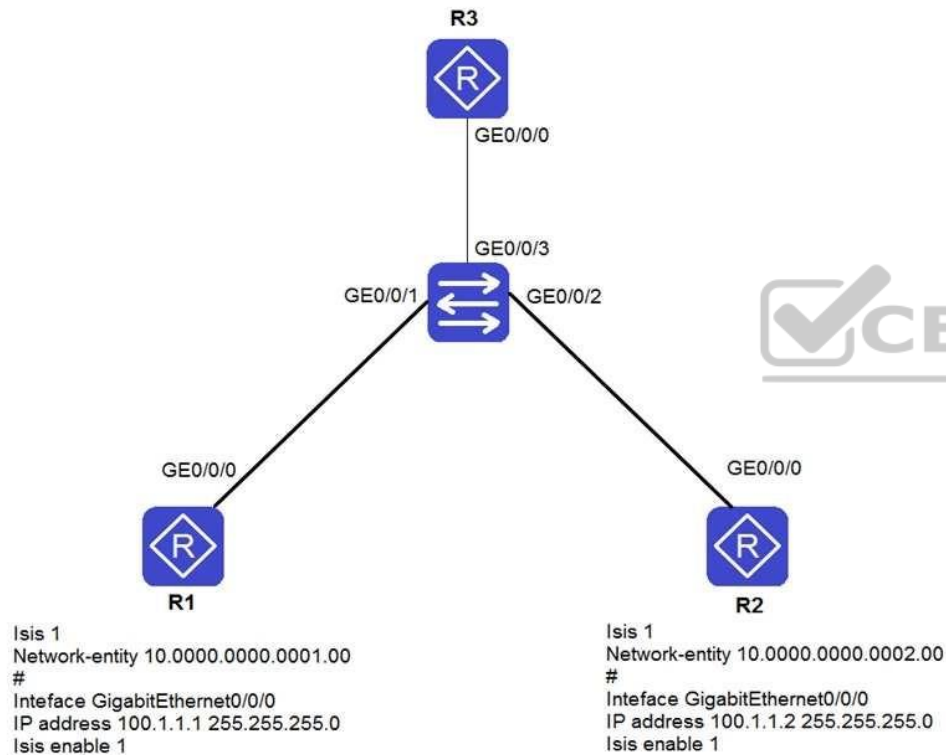
A. Before the timeout of the overload timer on R3, R1 and R2 do not add the LSPs generated by R3 to the SPF tree.
B. The direct route of R3 is ignored by R1 and R2 due to the setting of the overload bit.
C. LSPs of R3 cannot be flooded to R1 and R2.
D. Routes imported to R3 through the import-route command cannot be advertised.

E. When a router is experiencing a memory shortage, the system automatically sets the overload bit in the sent LSPs regardless of whether you have the setoverload command.

Correct Answer: ACD
Section: (none)
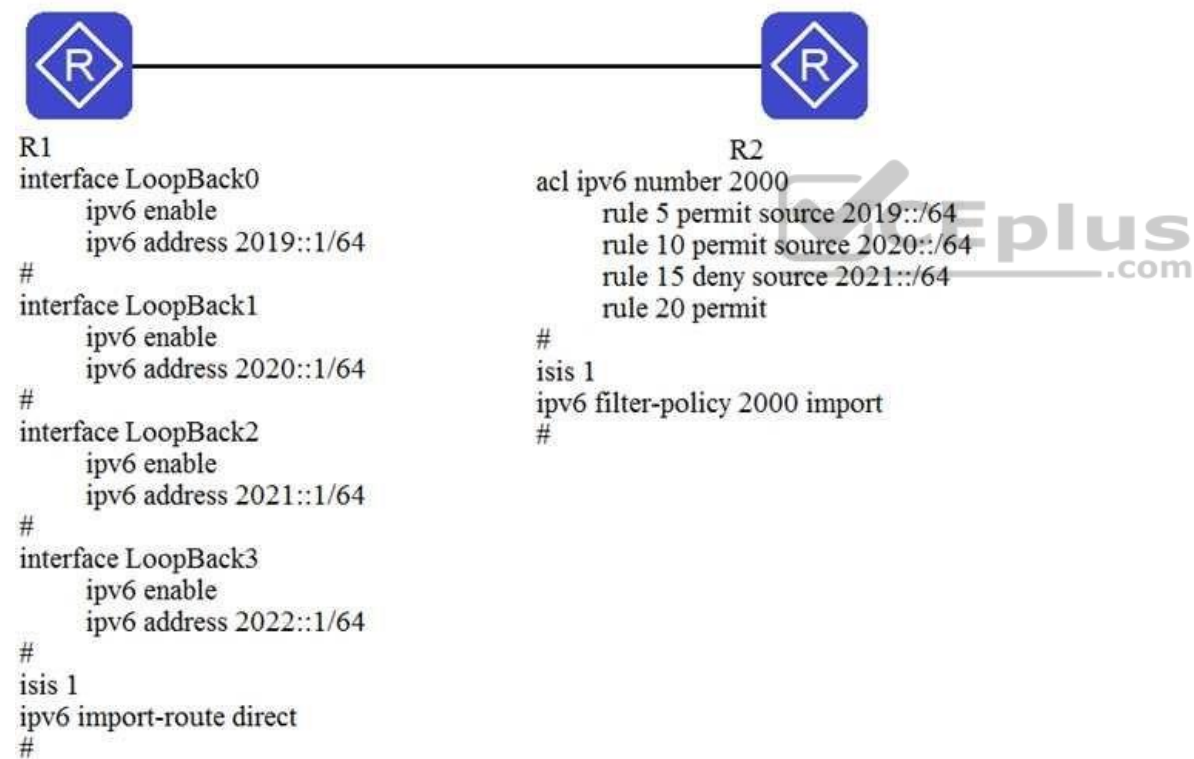**Explanation**
Explanation/Reference:

QUESTION 88
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                                      R2
interface LoopBack0                     acl ipv6 number 2000
    ipv6 enable                             rule 5 permit source 2019::/64
    ipv6 address 2019::1/64                 rule 10 permit source 2020::/64
#                                           rule 15 deny source 2021::/64
interface LoopBack1                         rule 20 permit
    ipv6 enable                         #
    ipv6 address 2020::1/64             isis 1
#                                       ipv6 filter-policy 2000 import
interface LoopBack2                     #
    ipv6 enable
    ipv6 address 2021::1/64
#
interface LoopBack3
    ipv6 enable
    ipv6 address 2022::1/64
#
isis 1
ipv6 import-route direct
#
```

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 89
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 90
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 91
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.
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 92
You are performing troubleshooting on a LAN and suspect that the error is caused by mismatching working modes.

Which of the following switch interface errors indicate that the working modes of the 10/100/1000 Ethernet interfaces do not match?

A. Alignment error
B. Excessive collisions
C. Undersized frame
D. Late collisions
E. FCS error

Correct Answer: E
Section: (none)
Explanation

Explanation/Reference:

QUESTION 93

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 94
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 LSAsD. Type 7 LSA
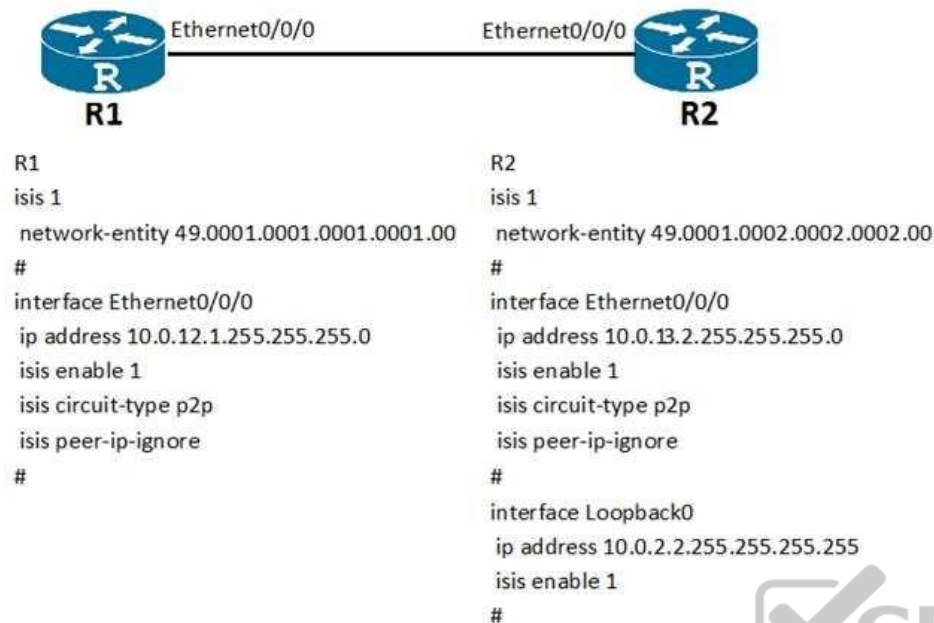E. Type 1 and Type 2 LSAs

Correct Answer: B
Section: (none)
Explanation

Explanation/Reference:

QUESTION 95
According to the following scenario, which of the following statements are true?

Ethernet0/0/0 — R1 —— Ethernet0/0/0 — R2

```
R1                                          R2
isis 1                                      isis 1
 network-entity 49.0001.0001.0001.0001.00    network-entity 49.0001.0002.0002.0002.00
#                                           #
interface Ethernet0/0/0                     interface Ethernet0/0/0
 ip address 10.0.12.1.255.255.255.0          ip address 10.0.13.2.255.255.255.0
 isis enable 1                               isis enable 1
 isis circuit-type p2p                       isis circuit-type p2p
 isis peer-ip-ignore                         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 96
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.

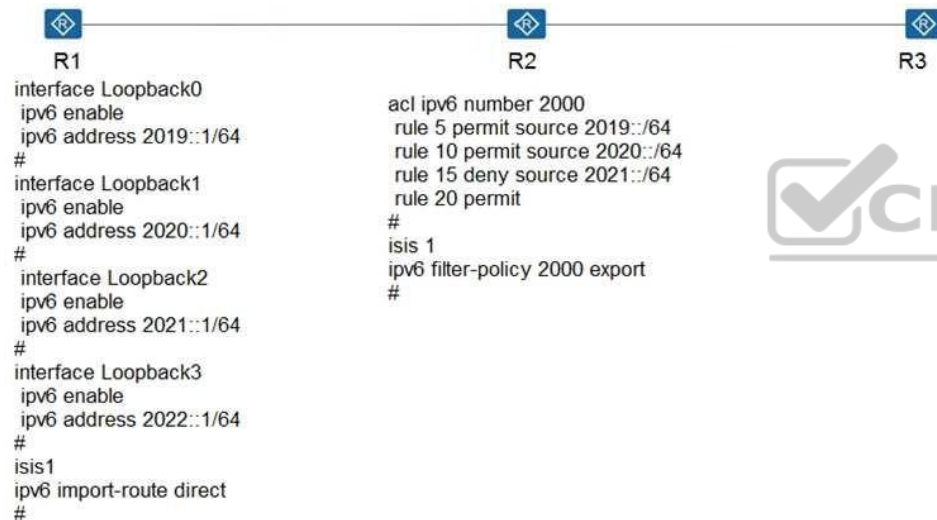D. The data part of a Router-LSA contains the link-local address.

Correct Answer: C
Section: (none)
Explanation

Explanation/Reference:

QUESTION 97

According to the figure shown and assuming that IPv6 is enable on ISIS process of all routers, R1, R2, and R3 establish Level-2 neighbor relationships. Which of the following statements regarding the IP routing table of R3 are true? (Choose all that apply.)

```
R1                              R2                              R3
interface Loopback0             acl ipv6 number 2000
 ipv6 enable                     rule 5 permit source 2019::/64
 ipv6 address 2019::1/64         rule 10 permit source 2020::/64
#                                rule 15 deny source 2021::/64
interface Loopback1             rule 20 permit
 ipv6 enable                    #
 ipv6 address 2020::1/64        isis 1
#                               ipv6 filter-policy 2000 export
 interface Loopback2            #
 ipv6 enable
 ipv6 address 2021::1/64
#
interface Loopback3
 ipv6 enable
 ipv6 address 2022::1/64
#
isis1
ipv6 import-route direct
#
```

A. 2019::/64 will be displayed in the IP routing table
B. 2020::/64 will be displayed in the IP routing table
C. 2021::/64 will be displayed in the IP routing table
D. 2022::/64 will be displayed in the IP routing table

Correct Answer: ABC
Section: (none)

Explanation
Explanation/Reference:

QUESTION 98
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 an interface.

Correct Answer: D
Section: (none)
Explanation

Explanation/Reference:

QUESTION 99
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.

Correct Answer: DE
Section: (none)
Explanation

Explanation/Reference:

QUESTION 100

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 101
On an OSPF broadcast network, four routers (RTA, RTB, RTC, and RTD) are deployed on the same network segment. The DR priorities of RTA, RTB, RTC, and RTD are 2, 1, 1, and 0 respectively, and router IDs are 192.168.1.1, 192.168.3.1, and 192.168.4.1 respectively.

Which router is selected as the BDR if OSPF is enabled on the four routers?

A. RTC
B. RTB
C. RTD
D. RTA

Correct Answer: A
Section: (none)
Explanation

Explanation/Reference:

QUESTION 102
Both IS-IS CSNPs and OSPF DD packets describe the brief information about link state databases in MA network.

Which of the following statements regarding the two types of packets is true?

A. After CSNPs and DD packets are received by the peer router, the peer router needs to send an acknowledgement message; otherwise, the packets need to be retransmitted.

B. Once the neighbor relationship is established, CSNPs and DD packets are not sent.

C. The master/slave relationship in OSPF DD packet exchange is not bound to DR/BDR; and CSNPs are generated only by the DIS.

D. After CSNPs and DD packets are received by the peer router, the peer router does not need to send an acknowledgment message.

Correct Answer: D
Section: (none)
Explanation

Explanation/Reference:

QUESTION 103
Which of the following technologies use tunnels to allow for communication between devices with IPv6 addresses?

A. ISATAP
B. 6to4
C. NAT64
D. Dual Stack

Correct Answer: B
Section: (none)
Explanation

Explanation/Reference:

QUESTION 104
Synchronization between LDP and IGP suppresses reachable IGP route advertisement to implement network convergence and ensure LDP and IGP are along the same path. This minimizes traffic loss and improves network reliability.

A. TRUE
B. FALSE

Correct Answer: A
Section: (none)
Explanation

Explanation/Reference:

QUESTION 105

Which of the following statements regarding MPLS is false?

A. MPLS supports multi-layer nesting. The value of the S bit of the innermost label is 1.
B. The label space range of dynamic signaling protocols such as LDP and MP-BGP from 16 to 1023.
C. When an IP packet is transmitted on an MPLS network that uses TTL processing in pipe mode, the TTL value of the IP packet decrements by 1 only at the ingress and egress nodes of the MPLS network.
D. The MPLS label is 20 bits long and is used for packet forwarding.

Correct Answer: C
Section: (none)
Explanation

Explanation/Reference:

QUESTION 106

The output of the display in vpn-instance verbose command for displaying detailed information about all VPN instances on a network device is as follows.

Which of the following statements are false?

```
<Huawei> display ip vpn-instance verbose
Total VPN-Instances configured : 3
Total Opv4 VPN-Instances configured : 1
Total IPv6 VPN-Instances configured : 2

VPN-Instance Name and ID : vpna, 6
 Description : vpna-1
 Service ID : 12
 Interfaces : GigabitEthernet1/0/0
Address family ipv4
 Create date : 2018/6/3 15:36:20
 Up time : 6 days, 04 hours, 41 minutes and 57 seconds
 Route Distinguisher : 100:1
 Export VPN Targets : 1:1 2:1
 Import VPN Targets : 1:1
 Label Policy : label per instance
 Per-Instance Label : 1024
 IP FRR Route Policy : 20
 VPN FRR Route Policy : 12
```

A. The device assigns a label to each route of the VPN instance vpna.

B. GigabitEthernet1/0/0 is bound to the VPN instance vpna.

C. The total number of locally configured VPN instances for which IPv6 address families are enabled is 1.

D. The VPN instance vpna does not receive VPN routes with RT being 2:1.

Correct Answer: C
Section: (none)
Explanation

Explanation/Reference:

QUESTION 107
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?

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 108
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 109
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 110
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 111
Inter-device link aggregation implements reliable transmission of data traffic and mutual backup for stack member switches. However, the bandwidth of stack cables between stacked devices is limited. Which of the following methods can be used to improve forwarding efficiency?

A. Configure the system MAC address switchover for the stack
B. Use a stack card to connect the devices to be stacked
C. Enable the function of preferentially forwarding local traffic
D. Enable multi-active detection (MAD) for the stack

Correct Answer: C
Section: (none)
Explanation
Explanation/Reference:
Reference: https://support.huawei.com/enterprise/en/doc/EDOC1000074401?section=k004

QUESTION 112
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 statesD. RSTP has a smaller timer value

Correct Answer: A
Section: (none)
Explanation

Explanation/Reference:

QUESTION 113
The OSPFv3 Option field is carried in all LSAs.

A. TRUE
B. FALSE

Correct Answer: B
Section: (none)
Explanation

Explanation/Reference:

QUESTION 114
Based on the scenario shown, which statement about R2 is true?


```
        R1                              R2
R1:                           R2:
isis 1                        isis 2
network-entity 10.0000.0000.0001.00    network-entity 10.0000.0000.0002.00
filter-policy acl-name abc export isis 2   #
import-route direct           interface GigabitEthernet0/0/0
#                              ip address 100.1.1.2 255.255.255.0
interface loopback0           isis enable 2
 ip address 10.1.1.1 255.255.255.0   #
 ip address 10.1.3.1 255.255.255.0 sub
 ip address 10.1.2.1 255.255.255.0 sub
#
interface GigabitEthernet0/0/0
 ip address 100.1.1.1 255.255.255.0
 isis enable 1
#
acl name abc
 rule 10 permit ip source 10.1.1.0 0.0.0.255
```

A. R2 can receive LSPs from R1, but cannot add the routing information in the LSPs to the routing table
B. R2 can learn all routes advertised by R1
C. R2 can learn only the route 10.1.1.0/24
D. R2 can learn the routes 10.1.2.0/24 and 10.1.3.0/24
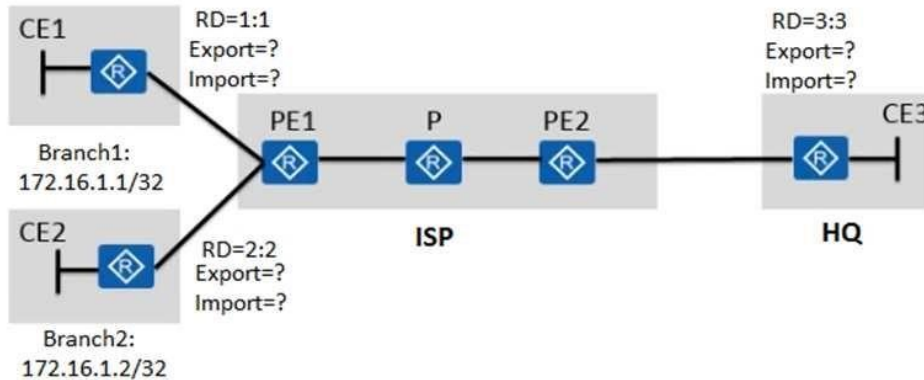
Correct Answer: A
Section: (none)
Explanation

Explanation/Reference:

QUESTION 115

In the Hub-Spoke networking of MPLS BGP VPN shown in the figure below, users want to configure branches to communicate only with the headquarters but no other branches. To achieve this, which of the following solutions regarding RT settings can be used?

A. Headquarters: Import Target: 2:2; Export Target: 3:3
   Branch 1: Import Target: 3:3; Export Target: 1:1
   Branch 2: Import Target: 3:3; Export Target: 2:2
B. Headquarters: Import Target: 12:3; Export Target: 3:12
   Branch 1: Import Target: 3:12; Export Target: 12:3
   Branch 2: Import Target: 3:12; Export Target: 12:3
C. Headquarters: Import Target: 1:1; Export Target: 3:3
   Branch 1: Import Target: 3:3; Export Target: 1:1
   Branch 2: Import Target: 3:3; Export Target: 2:2
D. Headquarters: Import Target: 12:3; Export Target: 12:3
   Branch 1: Import Target: 12:3; Export Target: 12:3
   Branch 2: Import Target: 12:3; Export Target: 12:3

Correct Answer: B
Section: (none)
Explanation

Explanation/Reference:

QUESTION 116
In inter-AS VPN Option B mode, two Autonomous System Boundary Routers (ASBRs) need to exchange public network LSP labels once during packet forwarding.

A. TRUE
B. FALSE
Correct Answer: A
Section: (none)
Explanation

Explanation/Reference:
Reference: https://support.huawei.com/enterprise/my/doc/EDOC1100033725/19aa8610/inter-as-vpn

QUESTION 117
A network administrator plans to migrate IGMPv2 to IGMPv3 on the multicast network. What advantages does IGMPv3 have over IGMPv2?

A. IGMPv3 deletes suppression of IGMPv3 Membership Report messages
B. IGMPv3 deletes the function of matching all sources through wildcard belong to specific multicast group
C. IGMPv3 enables a host to join a specified multicast group that excludes a specified multicast source
D. IGMPv3 adds Request-to-Send and Clear-to-Send messages between source and local IGMP queries
E. IGMPv3 enables a host to join a specified multicast group that includes a specified multicast source

Correct Answer: E
Section: (none)
Explanation

Explanation/Reference:

QUESTION 118
To deploy multicast video applications on your private internal network, you need to use private multicast IP addresses on the network.

Which range of IP addresses can be used?

A. 226.0.0.0 – 226.255.255.255
B. 241.0.0.0 – 241.255.255.255
C. 224.0.0.0 – 224.255.255.255
D. 239.0.0.0 – 239.255.255.255
E. 240.0.0.0 – 254.255.255.255

Correct Answer: D
Section: (none)
Explanation

Explanation/Reference:
QUESTION 119
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
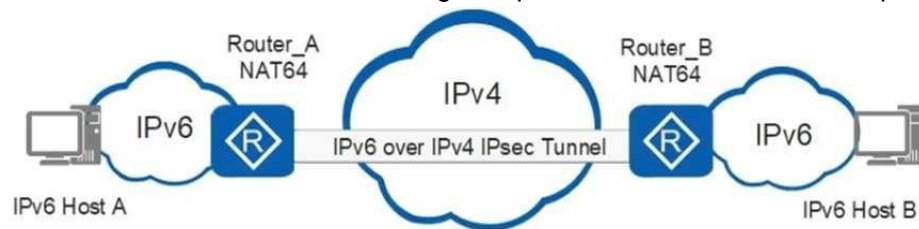
Correct Answer: D
Section: (none)
Explanation

Explanation/Reference:

QUESTION 120
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 121
A new office needs to use a router as the DHCP server. Which of the following items need to be configured when the DHCP server is configured to provide the DHCP service for the office?

A. Manually binding a specified IP address to a specified terminal
B. Timeout period of a ping packet
C. Excluding idle IP addresses from the DHCP server
D. Startup file of the DHCP server
E. DHCP address pool

Correct Answer: E
Section: (none)
Explanation

Explanation/Reference:

QUESTION 122
Which of the following statements regarding VRRP is true?

A. Both VRRPv2 and VRRPv3 support authentication
B. VRRPv3 does not support authentication, whereas VRRPv2 supports authentication
C. The VRRP priority of the master IP address owner is 255. Therefore, the priority can be a value in the range from 0 to 254.
D. VRRPv2 only applies to an IPv4 network, and VRRPv3 applies only to an IPv6 network

Correct Answer: BCD
Section: (none)
Explanation

Explanation/Reference:
Reference: https://support.huawei.com/enterprise/en/doc/EDOC1000178318/6e22bde4/vrrpv2-and-vrrpv3-advertisement-packets

QUESTION 123
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 124
On a switch with factory default settings, its MAC address table is empty. Host A connected to the switch sends the first unicast data frame. What operation will the switch perform after receiving the data frame?

A. The switch discards the data frame
B. The switch records the source MAC address of the data frame and floods the data frame out of all interfaces except the one it received the frame
C. The switch buffers the data frame and forwards the data frame after the destination host sends a data frame
D. The switch forwards the data frame out through an interface based on the destination MAC address of the data frame

Correct Answer: B
Section: (none)
Explanation

Explanation/Reference:

QUESTION 125
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 126
When a router receives an LSP on a broadcast network or a P2P network enabled with IS-IS, the router needs to send a PSNP to ensure LSDB synchronization.

A. TRUE
B. FALSE

Correct Answer: A
Section: (none)
Explanation

Explanation/Reference:

QUESTION 127
Which of the following statements regarding OSPFv3 Link-LSAs is true?

A. The Link-LSA contains both the link-local address and all IPv6 prefixes of the interface
B. The Link-LSA contains both the link-local address of the interface and all IPv6 prefixes of the same area on the router
C. The Option field exists in an LSA header rather than the data area of a Link-LSA
D. If the PrefixOptions field of a prefix in the Link-LSA is 0x00, the prefix is not involved in the IPv6 unicast calculation

Correct Answer: B
Section: (none)
Explanation

Explanation/Reference:

QUESTION 128
Which of the following statements regarding deploying IS-IS in an IPv6 environment is true?

A. On a broadcast network, the IPv4 DIS priority and IPv6 DIS priority can be set, respectively.

B. If the isis silent command is run on an IS-IS interface, the interface does not send but receives IS-IS packets.
C. On a broadcast network, if each router supports both IPv4 and IPv6, the IPv4 DIS and IPv6 DIS must be the same device.
D. By default, the DIS priority of Level-1 and Level-2 broadcast interfaces is 1.

Correct Answer: A
Section: (none)
Explanation

Explanation/Reference:

QUESTION 129
Which of the following statements regarding MP-BGP is false?

A. The MP_UNREACH_NLRI attribute of Update packets does not contain path information
B. MP_REACH_NLRI and MP_UNREACH_NLRI are optional transitive attributes
C. The complete MP_REACH_NLRI attribute structure contains the address family, next hop, and prefix information
D. MP-BGP can be used to allocate labels

Correct Answer: B
Section: (none)
Explanation

Explanation/Reference:

QUESTION 130
When a Layer 3 switch forwards IP packets between locally attached VLANs, which of the following fields is rewritten?

A. Layer 2 TTL
B. Layer 3 transport protocol
C. Layer 3 destination IP address
D. Layer 3 source IP address
E. Layer 3 TTL

Correct Answer: E
Section: (none)
Explanation

QUESTION 131
Regular expressions can be used in Community-filter and AS-Path-filter to filter routes.
A. TRUE
B. FALSE

Correct Answer: A
Section: (none)
Explanation

Explanation/Reference:

QUESTION 132
A Huawei router is configured to import a route into OSPF on an enterprise network. Which of the following statements about the LSA generated from the imported route are true?

A. The Net Mask field is set to all 0s
B. The Link State ID, and Advertising Router fields can uniquely identify an LSA
C. The Advertising Router field is set to the ASBR's Router ID
D. The Link State ID field is set to the destination network segment address

Correct Answer: B
Section: (none)
Explanation

Explanation/Reference:

QUESTION 133
A Route Distinguisher (RD) is used to distinguish the same IP address in different VPNs. How many bits does an RD contain?

A. 64
B. 128
C. 32
D. 16

Correct Answer: A
Section: (none)
Explanation

Explanation/Reference:
QUESTION 134
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 135
If a multicast group has multiple receivers and the administrator enables the IGMP snooping function on the switch connected to the receivers, how do the receivers respond after receiving General Query messages from the querier?

A. Only the receiver whose response timer expires firstly sends a Report message
B. All receivers send Report messages
C. All receivers send Report messages only when IGMPv1 is run
D. All receivers send Report messages only when IGMPv2 is run

Correct Answer: A
Section: (none)
Explanation

Explanation/Reference:

QUESTION 136
Which of the following statements regarding the Register message on a PIM-SM network are true?
A. The Register message is sent from a source DR
B. The Register message is sent to the RP in unicast mode
C. The Register message is sent from a receiver DR
D. The RP learns multicast source information from the Register message

Correct Answer: BD
Section: (none)
Explanation

Explanation/Reference:

QUESTION 137
To configure AAA, you need to configure a RADIUS server as follows:

[Huawei]radius-server template EXAM
[Huawei-radius-EXAM]radius-server shared-key cipher HUAwei123
[Huawei-radius-EXAM]radius-server authentication 10.7.66.66 1812
[Huawei-radius-EXAM]radius-server authorization 10.7.66.66 1812
[Huawei-radius-EXAM]radius-server accounting 10.7.66.66 1813
[Huawei-radius-EXAM]radius-server retransmit 2

A. TRUE
B. FALSE

Correct Answer: A
Section: (none)
Explanation

Explanation/Reference:

QUESTION 138

In traffic policing, dual buckets at dual rates are used. The number of tokens in bucket C is TC, and the number of tokens in bucket P is TP. When a packet with a length of B is received, which of the following statements are true?

A. If (TP-B) and (TC-B) are larger than 0, the packet is marked green
B. If (TP-B) is larger than 0 and (TC-B) is smaller than 0, the packet is marked yellow
C. If (TP-B) is larger than 0 and (TC-B) is smaller than 0, the packet is marked green
D. If (TP-B) and (TC-B) are smaller than 0, the packet is marked red

Correct Answer: ABD
Section: (none)
Explanation

Explanation/Reference:
Reference: https://support.huawei.com/enterprise/en/doc/EDOC1100055046/33f24bb0/token-bucket

QUESTION 139
Which of the following route types is used to advertise external routes in BGP EVPN?

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

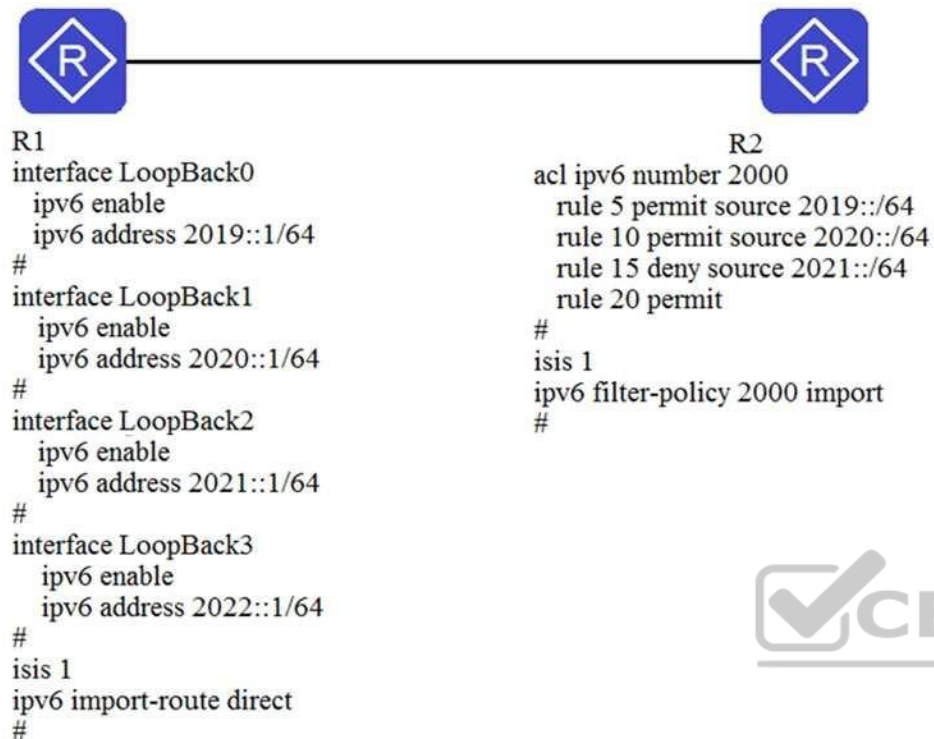**Correct Answer:** B
Section: (none)
Explanation

Explanation/Reference:
Reference: https://support.huawei.com/enterprise/en/doc/EDOC1100023542?section=j01d&topicName=bgp-evpn-route-types

QUESTION 140
Assume R1 and R2 have a valid level-2 ISIS peering for IPv6 and the additional configuration shown is applied. Which of the following statements about 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. 2022:: /64 will be displayed in the IPv6 routing table.
B. 2021:: /64 will be displayed in the IPv6 routing table.
C. 2019:: /64 will be displayed in the IPv6 routing table.
D. 2020:: /64 will be displayed in the IPv6 routing table.

Correct Answer: ACD
Section: (none)
Explanation

Explanation/Reference:

QUESTION 141

During troubleshooting for a LAN where Huawei devices are deployed, you find that there are a large number of unicast frames with unknown source MAC addresses. What is the most severe impact these unicast frames have on the switch?

A. TCAM entries are occupied
B. The power consumption is increased
C. The available MAC address entries are consumed
D. The available bandwidth is consumed
E. The memory for buffering frames is occupied

Correct Answer: E
Section: (none)
Explanation

Explanation/Reference:

QUESTION 142
Interface Serial 0 of a router is enabled for OSPF Area 1, Serial 0 is configured as a silent interface. What is the impact of this configuration?

A. The OSPF router receives updated routes from its neighbor
B. The OSPF router establishes an available adjacency through this interface
C. The OSPF router does not add the routes learned from the interface to the local routing table
D. The OSPF router does not establish any adjacency through this interface

Correct Answer: D
Section: (none)
Explanation

Explanation/Reference:

QUESTION 143
Which of the following route selection tools is unique for BGP?

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

Section: (none)
Explanation

Explanation/Reference:

QUESTION 144
If no default route exists in the local IP routing table, the default-route imported command can be executed to advertise default routes to BGP peers or BGP peer groups.

A. True
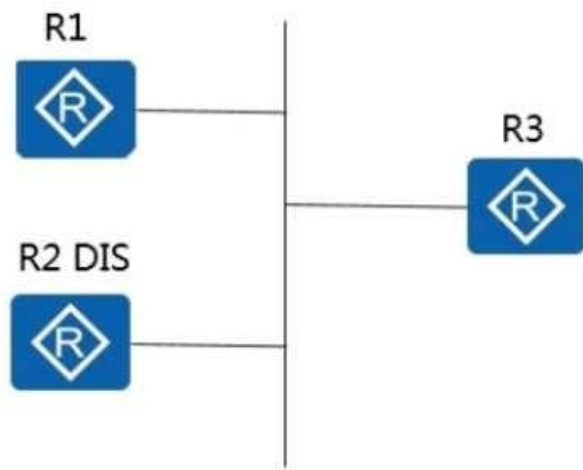B. False

Correct Answer: B
Section: (none)
Explanation

Explanation/Reference:

QUESTION 145
Which of the following statements about IS-IS LSDB synchronization on the broadcast network, shown in the diagram, is true?

A. R2 functions as the DIS and periodically sends CSNPs
B. R2 functions as the DIS and sends Hello PDUs at an interval three times that of non-DIS routers
C. R1 and R3 maintain the LSDB consistency by sending PSNPs periodically
D. R2 functions as the DIS and does not receive PSNPs from other routers

Correct Answer: A
Section: (none)
Explanation

Explanation/Reference:

QUESTION 146
OSPFv3 is a version of OSPF for IPv6 and is different from OSPFv2. OSPFv3 is based on links but OSPFv2 is based on network segments. Which of the following statements is false?

A. When an OSPFv3 router obtains routing information from a neighbor, it uses the link-local address of the neighbor as the next hop for packet forwarding.
B. Two OSPF routers on the same physical link can still establish a neighbor relationship even if no unicast IPv6 address is configured.
C. Two OSPF routers on the same physical link can still establish a neighbor relationship even if their IPv6 addresses are on different networks.
D. Except for virtual links, all OSPFv3 interfaces use a link-local address as the destination address of OSPFv3 message.

Correct Answer: D
Section: (none)
Explanation

Explanation/Reference:

QUESTION 147
On a P2P network, CSNPs are not sent during the establishment of an IS-IS neighbor relationship.

A. True
B. False

Correct Answer: B
Section: (none)
Explanation

Explanation/Reference:

QUESTION 148
IPv6 devices can obtain information such as the interface address, gateway address, and DNS address through DHCPv6.

A. True
B. False

Correct Answer: A
Section: (none)
Explanation

Explanation/Reference:

QUESTION 149
Which of the following statements regarding features of the inter-AS VPN Option C are true?

A. VPN routes are directly exchanged between the ingress PE and the egress PE, and the routes do not need to be stored or advertised by the intermediate devices.
B. The inter-AS VPN Option C mode is not applicable to scenarios where multiple Ass are spanned.
C. A maximum of two labels are required for packet forwarding.
D. ASBRs do not store VPNv4 routes or advertise VPNv4 routes to each other.

Correct Answer: A
Section: (none)
Explanation

Explanation/Reference:

QUESTION 150
Which of the following statements correctly describe the LDP session establishment process?

A. The label switching router (LSR) with the larger transport address initiates a TCP connection.
B. After two devices receive a Keepalive message from each other, the LDP session is successfully established.
C. LDP Neighbor Discovery Hello messages are encapsulated using TCP with the multicast destination address of 224.0.0.2.
D. After the TCP connection is successfully established, the active party sends an Initialization message to negotiate with the passive party about parameters used for establishing an LDP session.

Correct Answer: A
Section: (none)
Explanation

Explanation/Reference:

QUESTION 151
On an MPLS BGP VPN where MPLS Penultimate Hop Popping (PHP) is disabled, when packets arrive at the last-hop PE, packets carry two MPLS labels which can be the same value.

A. True
B. False

Correct Answer: B
Section: (none)
Explanation

Explanation/Reference:

QUESTION 152
Which of the following statements regarding HTTPS is false?

A. A router cannot detect the viruses in HTTPS traffic through the IPS technology
B. HTTPS uses SSL to ensure data security
C. When a user attempts to visit a website using HTTPS, if the user's browser cannot identify the digital certificate of the website, the user will be unable to access the website
D. By default, the HTTPS protocol uses TCP port 443

Correct Answer: C
Section: (none)
Explanation

Explanation/Reference:

QUESTION 153
Which of the following statements regarding optimal route selection of various protocols is true?

A. All routes learned through OSPF in the LSDB are added to the IP routing table
B. The optimal route is selected after comparison costs of routes that are learned through BGP and destined for the same network segment
C. The optimal route is selected after comparison between preferences of routes that are learned through BGP and OSPF and that are destined for the same network segment
D. BGP routes with unreachable next hops are also added to the IP routing table

Correct Answer: C
Section: (none)
Explanation

Explanation/Reference:

QUESTION 154
Which of the following statements regarding the EVPN Type5 route is false?

A. The IP prefix field in a Type5 route can carry either the host IP address or the network segment address
B. Type5 route is the IP prefix route
C. A Type5 route carries a Layer 3 VNI
D. A Type5 route carries both Layer 2 and Layer 3 VNIs

Correct Answer: C
Section: (none)
Explanation

Explanation/Reference:

QUESTION 155
On an MPLS IBGP VPN, if only BGP and LDP are used to distribute labels, a maximum of two MPLS labels are added to packets.

A. True
B. False

Correct Answer: B
Section: (none)
Explanation

Explanation/Reference:
QUESTION 156
A router receives a BGP route carrying the no-export community attribute. How will the router process this BGP route?

A. The router will discard it
B. The router will not advertise it to other BGP routers
C. The router will advertise it to IBGP peers only
D. The router will advertise it normally, but does not forward data through this route

Correct Answer: C
Section: (none)
Explanation

Explanation/Reference:

QUESTION 157
Which of the following statements regarding the process in which the source DR registers with the RP on a PIM-SM network is true?

A. The Register message is a multicast packet
B. The Register message is used to set up an RPT between the source DR and RP
C. After receiving the Register message, the RP sends a Register-Stop message
D. The Register message carries multicast service data

Correct Answer: C
Section: (none)
Explanation

Explanation/Reference:

QUESTION 158
Which of the following SDN controllers uses VXLAN technology?

A. Agile Controller-DCN
B. Agile Controller-WAN
C. Agile Controller-Campus
Correct Answer: A

Explanation/Reference:

QUESTION 159
In RSTP, which port type can provide a backup path to the root of the spanning tree and what is the state of this type of port?

A. Root port in Listening state
B. Alternate port in Forwarding state
C. Alternate port in Learning state
D. Designated port in Listening state
E. Alternate port in Discarding state

Correct Answer: E
Section: (none)
Explanation

Explanation/Reference:

QUESTION 160
On a shared network, which of the following mechanisms is used by PIM-SM to prevent duplicate traffic?

A. Register mechanism
B. BSR/RP mechanism
C. Assert mechanism
D. Join/Prune mechanism

Correct Answer: C
Section: (none)
Explanation

Explanation/Reference:

QUESTION 161

Which of the following statements regarding the assert mechanism is true?

A. The assert mechanism is used for DR election

B. In the assert mechanism, the winner forwards multicast data to the broadcast network

C. In the assert mechanism, the loser shutdown the interface connected to the broadcast network

D. IP addresses are not used for winner election

Correct Answer: B
Section: (none)
Explanation

Explanation/Reference:

QUESTION 162
An enterprise sets up an OSPF network with the topology and areas shown in the diagram. OSPF adjacencies are formed between all devices on all links and all loopback interface addresses are advertised by OSPF. A fault occurs and the links from R1 to S2 and R2 to S1 fail. Which of the following statements are true? (Choose all that apply.)
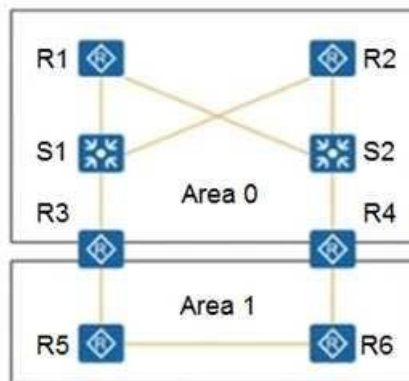
A. R5 can learn the route to the loopback interface of R2.

B. R3 can learn the route to the loopback interface of R2.

C. R1 can learn the route to the loopback interface of R2.

D. R3 can not learn the route to the loopback interface of R2.

Correct Answer: AD
Section: (none)

Explanation
Explanation/Reference:

QUESTION 163

```
[R1]ospf
[R1-ospf-1]area2
[R1-ospf-1-area-0.0.0.2]network 10.0.13.1 0.0.0.0
```

OSPF has been configured on R1 as shown above, but R1 does not learn the routes from any other routers, which of the following are possible causes? (Choose all that apply.)

A. The area ID configured on R1 is different from that configured on its neighbors.
B. The network address advertised by R1 does not match the interface mask.
C. No OSPF process ID is configured on R1.
D. The authentication function is not configured on R1, but configured on its neighbors.

Correct Answer: ABD
Section: (none)
Explanation

Explanation/Reference:

QUESTION 164
You need to ensure that only Telnet traffic can access the server whose IP address is 10.1.1.100. You configure the following ACL on the router:

```
rule 5 permit tcp source any destination 10.1.1.100 0.0.0.0 destination-port eq 23
rule 10 deny ip source any destination any.
```

Then you apply the ACL to the inbound direction of the router's serial interface. Which of the following types of packets are allowed to pass through the router?

A. Non-fragmented packets that access the server through port 21.
B. Non-initial fragments that access the server through port 23.
C. Non-initial fragments that access other hosts.
D. Non-initial fragments that access the server through port 21.
E. Initial fragments or non-fragmented packets that access the server through port 23.

Correct Answer: E
Section: (none)
Explanation

Explanation/Reference:

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