

H12-261

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Passing Score: 800
Time Limit: 120 min
File Version: 1.0



H12-261

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

Version 2-0

QUESTION 1

Router HW1 is seeing a large number of Discard Eligible (DE) frames. In Frame-relay, as part of the Congestion-Control Mechanism, the DE bit works in conjunction with which of the following mechanisms?

- A. Differentiated Services Code Point (DSCP) settings
- B. Frame-relay Traffic Shaping (FRTS) settings
- C. Class-to-Service (CoS) settings
- D. Type-of-service (ToS) settings
- E. Forward Explicit Congestion Notification (FECN) or Backward Explicit Congestion Notification (BECN) settings

Correct Answer: E

Section: (none)

Explanation

Explanation/Reference:

QUESTION 2

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 3

Which of the following are used in Ethernet networks? (Multiple Choice)

- A. 802.5 encapsulated frames
- B. 802.3 encapsulated frames
- C. CSMA/CD for media access
- D. Non Canonical format MAC addresses
- E. Canonical format MAC addresses

Correct Answer: BCE

Section: (none)

Explanation

Explanation/Reference:

QUESTION 4

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 5

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 6

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 7

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 8

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? (Multiple choice)

- 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 9

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 10

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
```

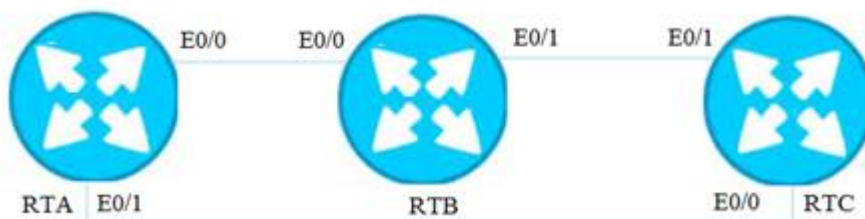
RTB:

```
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 11

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 12

Which of the following statements are NOT true regarding the TCP sliding window protocol? (Multiple Choice)

- A. The initial window offer is advertised by the sender
- B. If the retransmission timer expires without the sender receiving an ACK message, the receiver retransmits the packet to the sender.
- C. The size of the sliding window can only increase or stay the same
- D. It allows the transmission of multiple frames before waiting for an acknowledgment
- E. The receiver is required to acknowledge the data packets transmitted by the sender
- F. The sender need not transmit a full window's worth of data

Correct Answer: AC

Section: (none)

Explanation

Explanation/Reference:

QUESTION 13

Routers R1 and R2 are configured for BGP. Both routers are in AS 65234. Routes from Router R2 are in the BGP table on Router R1, but not in the IP routing table. What could be the cause of this problem?

- A. Synchronization is off
- B. BGP multi-hop is disabled on Router R1
- C. The next-hop of these routes can not reach by router R1
- D. The BGP peers are down

Correct Answer: C

Section: (none)

Explanation

Explanation/Reference:

QUESTION 14

What is the destination IP address of routing update packets sent by RIPv2?

- A. 255.255.255.255
- B. 224.0.0.1
- C. 224.0.0.5
- D. 224.0.0.9
- E. 224.0.0.10

Correct Answer: D

Section: (none)

Explanation

Explanation/Reference:

QUESTION 15

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 0x80000000.

- A. FALSE
- B. TRUE

Correct Answer: A

Section: (none)

Explanation

Explanation/Reference:

QUESTION 16

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 17

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 18

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

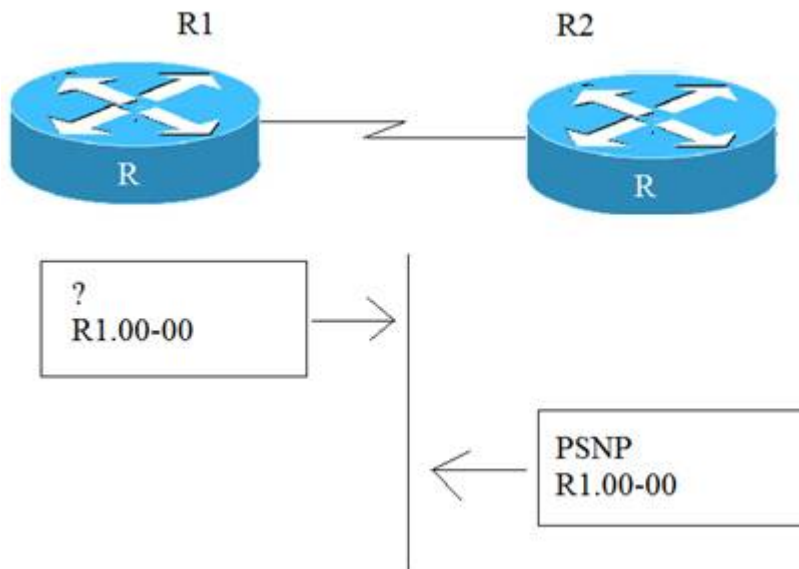
Section: (none)

Explanation

Explanation/Reference:

QUESTION 19

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 20

Which of the following are key differences between RIP version 1 and RIP version 2? (Multiple Choice)

- 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 21

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 22

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 23

Which of the following are found in a basic Network Layer Packet? (Multiple Choice.)

- 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 24

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

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

Correct Answer: ABE

Section: (none)

Explanation

Explanation/Reference:

QUESTION 25

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 26

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 27

Which of the following can be used for BGP route selection? (Multiple Choice)

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

Correct Answer: BCD

Section: (none)

Explanation

Explanation/Reference:

QUESTION 28

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 29

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 30

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? (Multiple Choice)

- 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 31

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 32

Which of the following scenarios can an AS-path-filter be used for? (Multiple Choice)

- 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 33

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

- 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 34

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)
Ethernet II, Src: HuaweiTe_6e:7fa2 (00:e0:fc:6e:7fa2), 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 35

Which of the following are legal representations of the IPv6 prefix 12AB00000000CD30? (Multiple Choice)

- 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 36

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 37

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 38

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 39

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

- 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 40

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?

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

Correct Answer: D

Section: (none)

Explanation

Explanation/Reference:

QUESTION 41

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 made 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 42

Source Specific Multicast (SSM) is being used throughout 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 43

The default SSM group address range is 232.0.0.0/8. Which of the following configurations can be performed to modify the SSM group address range?

- A. Run the ssm-policy advanced-acl-number command in the system view to configure the SSM group address range
- B. Run the ssm-policy basic-acl-number command in the system view to configure the SSM group address range
- C. Run the ssm-policy advanced-acl-number command in the PIM view to configure the SSM group address range
- D. Run the ssm-policy basic-acl-number command in the PIM view to configure the SSM group address range

Correct Answer: D

Section: (none)

Explanation

Explanation/Reference:

QUESTION 44

Which Multicast Protocols use Reverse Path Forwarding (RPF) information when sending multicast traffic streams towards receivers within HW routers? (Multiple Choice)

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

Correct Answer: AB

Section: (none)

Explanation

Explanation/Reference:

QUESTION 45

Routers HW1 and HW2 are IP Multicast routers. These routers use (S, G) entries for multicast packet forwarding. Which of the following address types are used in the "S" entry?

- A. The block of administratively scoped multicast addresses
- B. Source Specific multicast addresses
- C. SDP/SAP addresses
- D. Any class A, Class B, or Class C host address
- E. GLOP addresses

Correct Answer: D

Section: (none)

Explanation

Explanation/Reference:

QUESTION 46

Which of the following are differences between PIM-SM and PIM-DM? (Multiple Choice)

- A. PIM-SM has RPTs and SPTs but PIM-DM has only RPTs
- B. BSRs/RPs exist only on a PIM-SM network, not on a PIM-DM network
- C. PIM-SM is applicable to a network with few receivers; PIM-DM is applicable to a network with a larger number of receivers
- D. Whether in PIM-SM or PIM-DM mode, receiver hosts must join multicast groups through IGMP

Correct Answer: BCD

Section: (none)

Explanation

Explanation/Reference:

QUESTION 47

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

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

Correct Answer: ADF

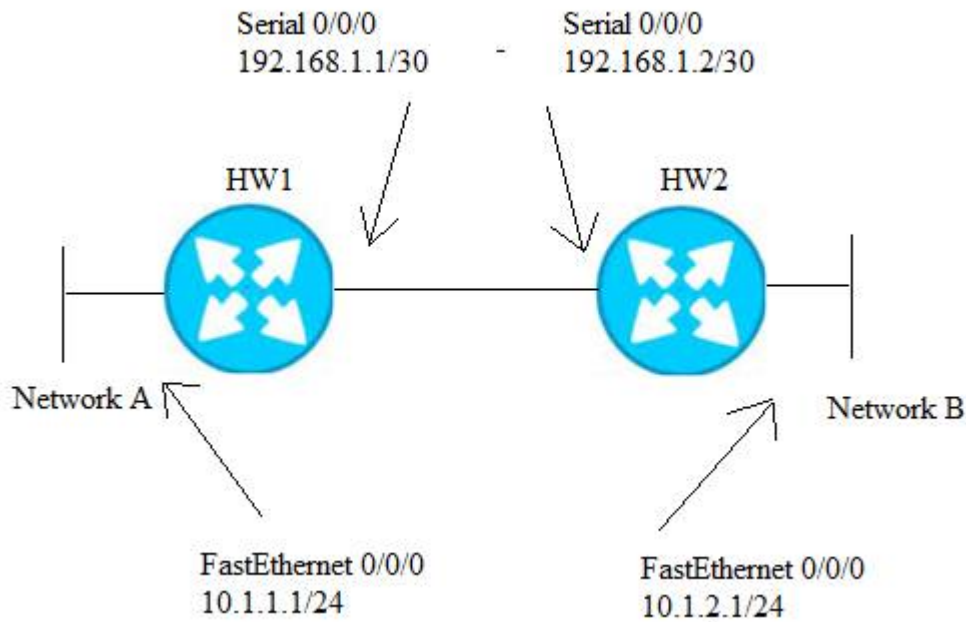
Section: (none)

Explanation

Explanation/Reference:

QUESTION 48

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 192.168.1.1 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 49

Before configuring AAA, you need to define the RADIUS server. The following commands can be used to define it.

```
[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 50

From the list of applications below, identify the TCP port numbers used for 443, 179,137,110, and 23 in the proper sequence:

- 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 51

Switches use IPSG to verify the source address of IP packets. IPSG obtains the binding table by listening to the address resolution process.

- A. TRUE
- B. FALSE

Correct Answer: B

Section: (none)

Explanation

Explanation/Reference:

QUESTION 52

Which of the following statements are false about Weighted Round Robin (WRR)? (Multiple Choice)

- 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 53

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 54

Which of the following statements is false about the DSCP field?

- A. When the DSCP value is EF, data is forwarded in expedited forwarding mode
- B. CS in DSCP classifies data based on eight priorities
- C. DSCP can represent the data priority as well as the packet drop probability
- D. The DSCP value can be 0. When the value is 0, the default packet forwarding mechanism is used

Correct Answer: A

Section: (none)

Explanation

Explanation/Reference:

QUESTION 55

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 56

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 57

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

- 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 58

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

- 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 59

Which of the following statements about VRRP load balancing are false? (Multiple Choice)

- 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 60

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? (Multiple Choice)

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

Correct Answer: BCD

Section: (none)

Explanation

Explanation/Reference:

QUESTION 61

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 62

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

A. [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	

B. [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
XGigabitEthernet0/0/1	up	up	0.32%	0.32%	0	0
XGigabitEthernet0/0/2	up	up	0.32%	0.32%	0	0

C. [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.

D. [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.

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_mac-address_flapping_edesk002.html

QUESTION 63

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 64

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 65

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 66

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

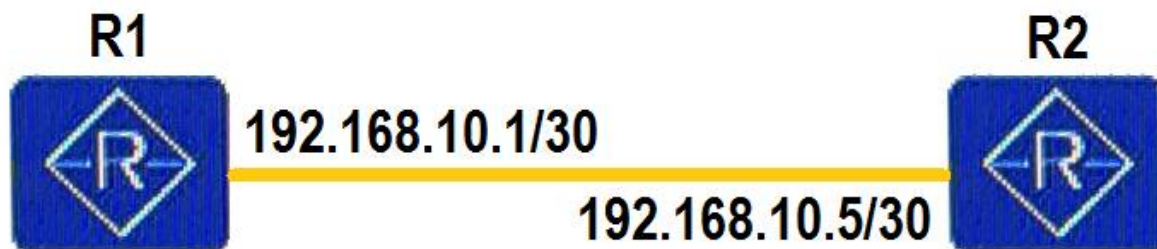
**Section:** (none)

**Explanation**

**Explanation/Reference:**

#### QUESTION 67

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?



- 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 68**

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 69**

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 70**

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 71**

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 72**

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 73**

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

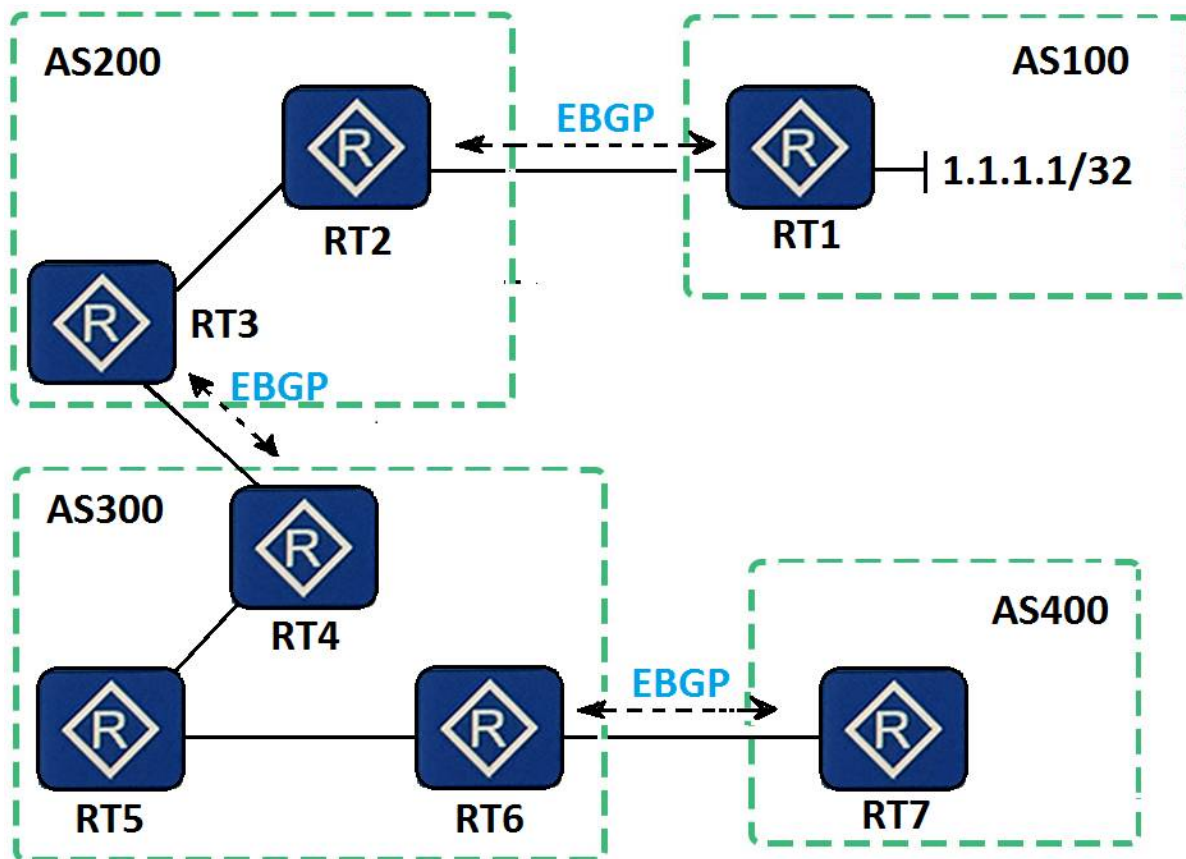
**Section:** (none)

**Explanation**

**Explanation/Reference:**

#### **QUESTION 74**

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 75

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 76**

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

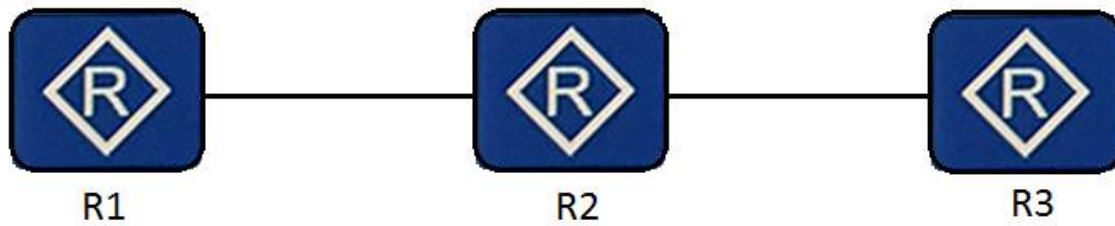
**Section:** (none)

**Explanation**

**Explanation/Reference:**

**QUESTION 77**

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?



### 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
#

```

- 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.
- Configure route summarization on R2 and summarize routes as 10.0.0.0/16.
- 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.
- Configure route summarization on R3 and summarize routes as 10.0.0.0/16.

**Correct Answer:** C

**Section:** (none)

**Explanation**

**Explanation/Reference:**

### QUESTION 78

If the Option field in the OSPFv3 Hello packet sent from GigabitEthernet0/0/0 of router A is 0x000013, which of the following statements are true?

- GigabitEthernet0/0/0 of router A belongs to an NSSA.



- B. GigabitEthernet0/0/0 of router A participates in IPv6 route calculation.
- C. Router A supports flooding of AS-external-LSAs.
- D. Router A is an OSPFv3 device enabled with the forwarding capability.

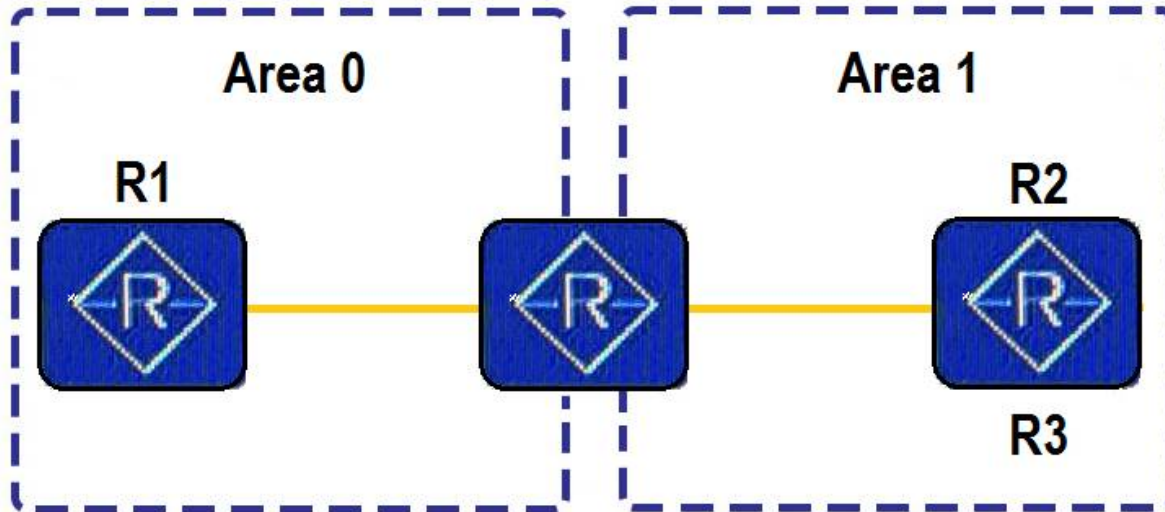
**Correct Answer:** BCD

**Section:** (none)

**Explanation**

**Explanation/Reference:**

#### QUESTION 79



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 80

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 81**

Which of the following statements regarding Filter-policy is true?

- A. An IP-prefix list can be used to filter routes or filter traffic.
- B. Filter-policy can be used on an ASBR in OSPF to filter Type 5 and Type 7 LSAs.
- C. Filter-policy can filter received or advertised link state information, and route attributes can be modified.
- D. Only the default routes match the IP prefix list configured using the ip- ip-prefix 1 deny 0.0.0.0 less-equal 32 command.

**Correct Answer: C**

**Section: (none)**

**Explanation**

**Explanation/Reference:**

**QUESTION 82**

Which of the following AS\_Path attribute values can be matched by the AS-Path filter configured using ip as-path filter 1 permit .\*(100|400\$command?

- A. 100
- B. 3100
- C. 300 4200
- D. 1234 1400

**Correct Answer: ABD**

**Section: (none)**

**Explanation**

**Explanation/Reference:**

**QUESTION 83**

Which of the following statements regarding the stub area and NSSA in OSPF is false?

- A. The Type 5 LSA cannot be flooded to a stub area, but can be flooded to an NSSA.
- B. The Type 3 LSA can be flooded to a stub area and an NSSA.
- C. The Type 4 LSA cannot be flooded to a stub area and an NSSA.
- D. The Type 7 LSA cannot be flooded to a stub area, but can be flooded to an NSSA.

**Correct Answer: A**

**Section: (none)**

**Explanation**

**Explanation/Reference:**

**QUESTION 84**

After the shutdown command is run on one of two directly connected devices that establish an IBGP peer relationship, the BGP connection will not be torn down immediately.

- A. TRUE
- B. FALSE

**Correct Answer:** B

**Section:** (none)

**Explanation**

**Explanation/Reference:**

#### QUESTION 85

Type 5 LSAs in OSPF are used to transmit external routes. Which of the following statements regarding Type 5 LSAs is false?

- A. Type 5 LSAs are advertised by ASBRs and flooded on OSPF networks except stub areas and NSSAs.
- B. Filtering policies can be configured on ABRs or ASBRs to filter Type 5 LSAs.
- C. A Type 5 LSA contains the FA address, which is 0.0.0.0. The FA address is reserved only and does not take effect.
- D. Routers in the same area as the ASBR can calculate external routes through intra-area LSAs and Type 5 LSAs.

**Correct Answer:** C

**Section:** (none)

**Explanation**

**Explanation/Reference:**

#### QUESTION 86

Which of the following statements regarding the stub area in OSPF are true?

- A. A virtual link cannot pass through a stub area.
- B. A backbone area cannot be configured as a stub area.
- C. Type 7 LSAs cannot be flooded to a stub area.
- D. A stub area contains no ASBR.

**Correct Answer:** ABD

**Section:** (none)

**Explanation**

**Explanation/Reference:**

Reference: <https://support.huawei.com/enterprise/de/doc/EDOC1000141870/4c544c36/example-for-configuring-an-ospf-stub-area>

#### QUESTION 87

Which of the following statements regarding BGP confederations is false?

- A. By default, sub-AS numbers of a confederation are advertised to BGP peers outside the confederation.
- B. A BGP confederation divided an AS into several sub-Ass. Ass outside a confederation still consider the confederation as an AS.
- C. Confederations can easily detect routing loops inside an AS because EBGP is run between sub-AS's.

D. Sub-Ass within a BGP confederation can use private AS numbers. For Huawei NE and AR routers, a maximum of 32 sub-Ass can be configured in a BGP confederation.

**Correct Answer:** A

**Section:** (none)

**Explanation**

**Explanation/Reference:**

#### **QUESTION 88**

Which layers are shared in the OSI reference model and TCP/IP model?

- A. Presentation layer
- B. Application layer
- C. Transport layer
- D. Session layer
- E. Data link layer

**Correct Answer:** BCE

**Section:** (none)

**Explanation**

**Explanation/Reference:**

#### **QUESTION 89**

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 90**

Which of the following statements regarding IS-IS route leaking are true?

- A. IS-IS route leaking can be configured in IPv6 environments.
- B. In IS-IS route leaking, the routes to be leaked cannot be summary routes.
- C. IS-IS route leaking will not cause neighbor flapping.
- D. IS-IS route is used to prevent route loops.
- E. IS-IS route leaking can be configured on Level-1 routers.

**Correct Answer:** A

**Section:** (none)

**Explanation**

**Explanation/Reference:**

**QUESTION 91**

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 92**

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)

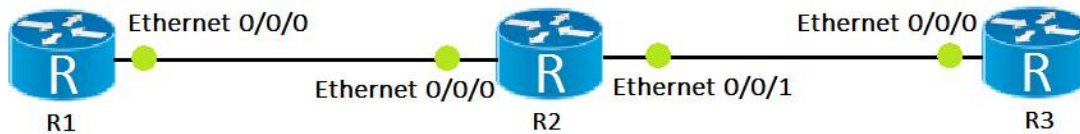
**Explanation**

**Explanation/Reference:**

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

**QUESTION 93**

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 94

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 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 95

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

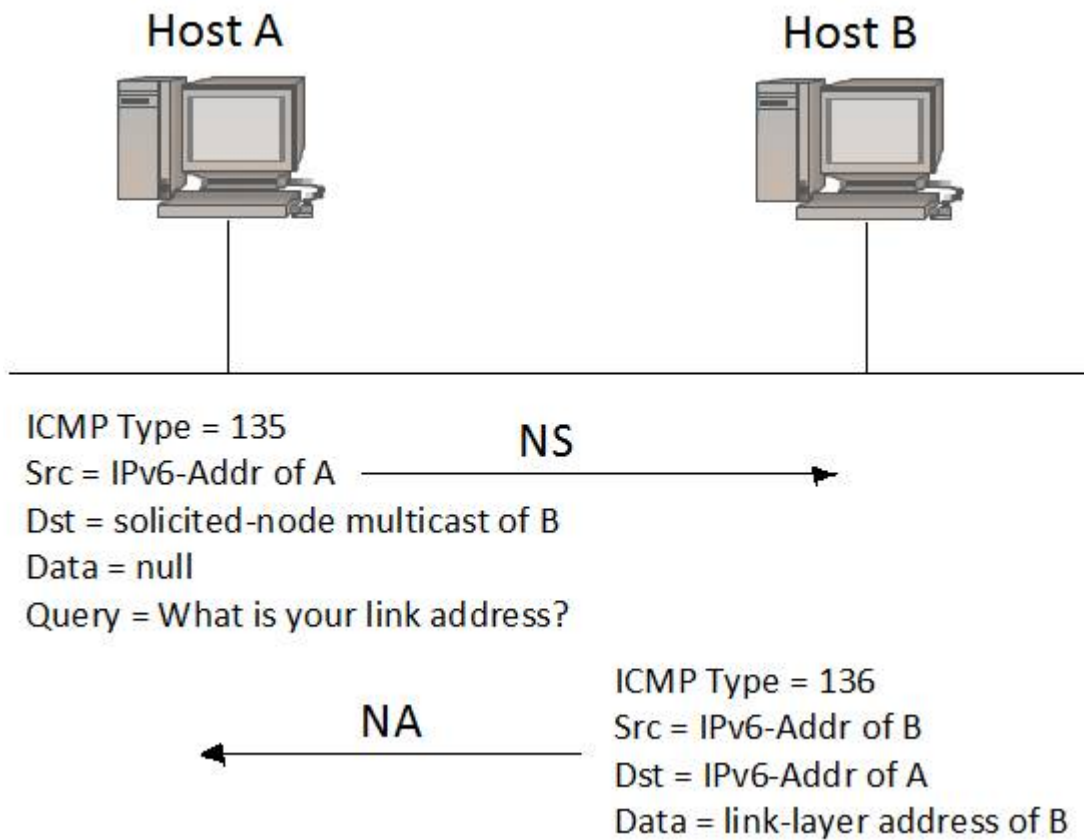
**Section:** (none)

**Explanation**

**Explanation/Reference:**

**QUESTION 96**

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 97**

You are assigned the task of compressing an IPv6 address as much as possible. If the original IPv6 address is 2013:0000:130F: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 98**

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 99**

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**

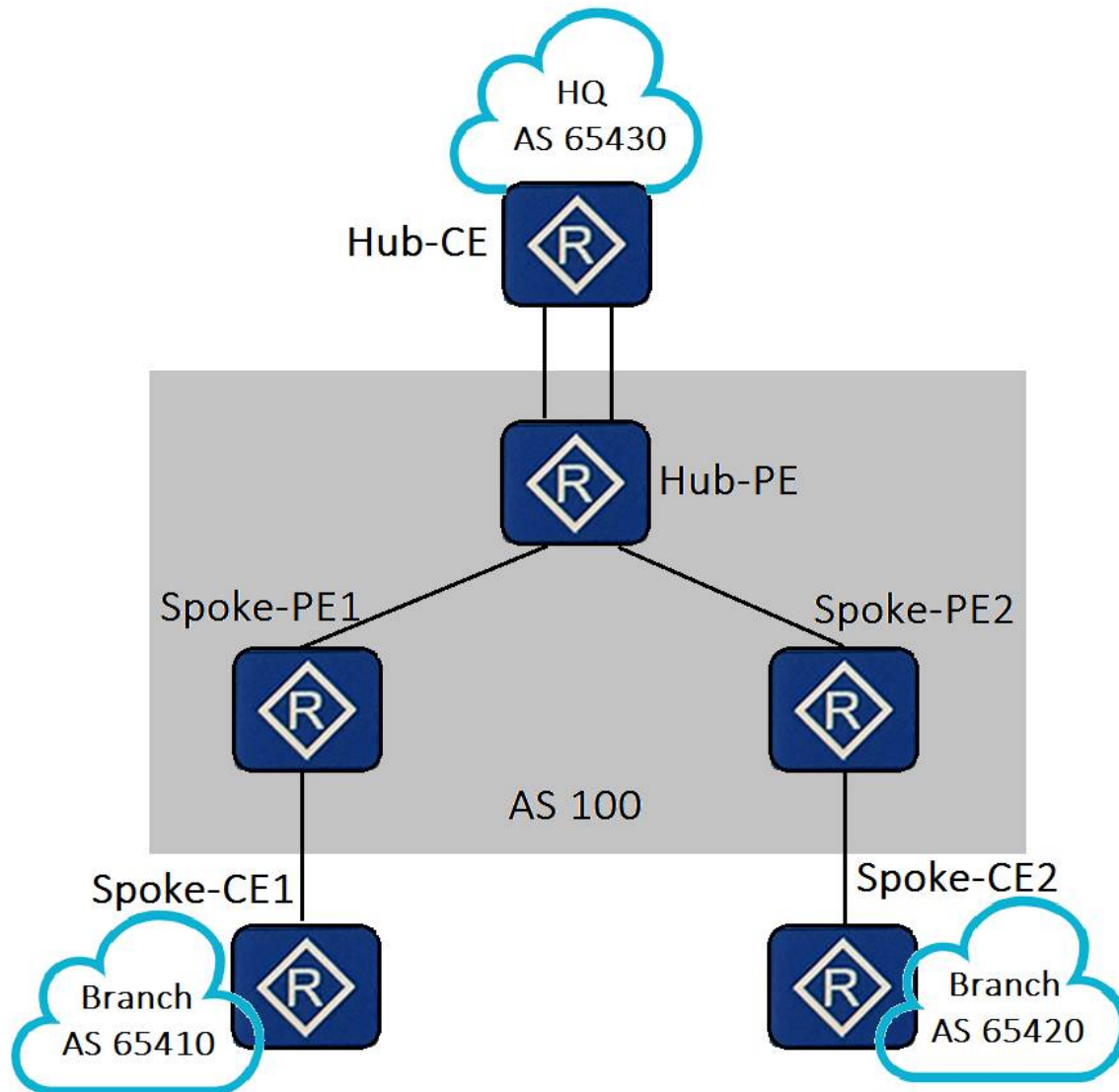
**Explanation/Reference:**

**QUESTION 100**

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 101**

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 102**

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**

**Explanation/Reference:**

**QUESTION 103**

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 104

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.
- 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 105

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 106**

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 107**

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 108**

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 109**

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 110**

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 111**

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 112**

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 IPSPG
- 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 113

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 114

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 115

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 116

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 117

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 118

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 119

Which of the following statements regarding the VXLAN gateway is false?

- A. VXLAN Layer 3 gateways can be classified into centralized and distributed gateways.
- B. VXLAN Layer 3 gateways allow their inter-subnet VXLAN communication and access to external networks.
- C. VXLAN Layer 2 gateways are bound to VPN instances.
- D. VXLAN Layer 2 gateways enable tenants to access VXLAN and are used for communication between subnets on the same VXLAN.

**Correct Answer:** D

**Section:** (none)

**Explanation**

**Explanation/Reference:**

Reference: <https://support.huawei.com/enterprise/it/doc/EDOC1000180270/f334b5b3/gateway-classification>



**QUESTION 120**

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:**