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HCIE-Datacom V1.0

Huawei H12-891 V1.0

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QUESTION NO: 1

Which of the following statement about isis protocol route aggregation is correct?

- A. Route aggregation can be configured and takes effect on all types of routers
- B. Route aggregation can only take effect if configured on Leve-1 port routers
- C. Route aggregation can only be configured on Leve-2 routers to take effect
- D. Route aggregation can only be configured on Leve-1-2 routers to take effect with

ANSWER: A**QUESTION NO: 2**

Traditional BGP-4 can only manage IP4 unicast routing information, and MP-BGP extends BGP-4 to provide support for multiple network layer protocols. Among them, MP-BGP's support feature for IPv6 unicast networks is called BGP4+, BGP4+ via NextHop The route next hop address information is carried by the attribute.

- A. TRUE
- B. FALSE

ANSWER: A**QUESTION NO: 3**

Regarding BGP/MPLS IP VPN routing interactions, the following description is incorrect?

- A. The ingress PE changes the IPv4 route received by the CE to the VPNv4 route, and the storage
- B. PE is carried out according to different VPN instances What interacts with the CE is IPv 4 routing information
- C. After receiving the VPNv4 route issued by the ingress PE, the egress PE filters the VPNv4 route according to the RT attribute carried by the route
- D. The egress PE can send an IPv4 route to the remote CE via BGP, IGP, or static routing

ANSWER: D**QUESTION NO: 4**

??? aggregate ipv4-address { mask/masklength }[as-set lattribute-policy route-policy-name1 ldetail-suppressedlorigin-policy route-

in policy-name2[suppress3policy route-policy-name3], multiple parameters can be used to influence summary routes and their results. The correct description about the command is ?(Multiple choice questions).

- A. If As-set is configured, the A S_PATH of the aggregate route contains ass path information for all specific routes in case the route loop is blocked
- B. If Suppress-policy is configured, aggregate routes are also generated, and the if-match clause in Route-policy is used to pick suppressed detail routes. Detail routes that match Route-policy are still advertised to other BGP neighbors
- C. If Origin-policy is configured, only detail routes that match Route-policy can participate in aggregation
- D. If You configure The Interface-policy, you can change the properties of the aggregate route

ANSWER: A C D

QUESTION NO: 5

The Path Selection tool can define multiple entries, which of the following tools will automatically generate a rejection of any entries at the end of the slot

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

ANSWER: A B C D

QUESTION NO: 6

In the VXLAN implementation, the mapping relationship between VNI and BD is

- A. 1:N
- B. N:1
- C. 1:1
- D. N: M

ANSWER: C

QUESTION NO: 7

When the BFD detection intervals on both ends are 30ms and 40ms, are the following options described correctly? An A. BFD session can be established, which takes 40ms after negotiation

- A B. BFD session can be established, which takes 30ms after negotiation
- C. BFD sessions can be established, each occurring at its own interval
- I D. BFD sessions cannot be established

Answer: C

Explanation:

- A. BFD sessions can be established, each occurring at its own interval
- I D. BFD sessions cannot be established

ANSWER: A

QUESTION NO: 8

There are two Community filters: ip community-filter 1 permit 100:1 ip community-filter 2 permit 100:1 ip community-filter 2 permit 200:1
Regarding the above community-filter, the correct description is ? (Multiple choice questions).

- A. As long as the group attribute value carried in the BGP route contains 100:1 or 200:1, or both, the BGP route matches the community-filter1
- B. As long as the group attribute value carried in the BGP route contains 100:1 or 200:1, or both, the BGP route matches community-filter2
- C. The BGP route matches community-filter 1 only if the community attribute values carried in the BGP route contain 100:1 and 200:1
- D. A BGP route matches community-filter2 only if the group attribute values carried in the BGP route include 100:1 and 200:1

ANSWER: B C

QUESTION NO: 9

Which of the following options enables encapsulation and unencapsulation of VXLAN messages?

- A. VBDIF
- B. VLANIF
- C. BD
- D. VTEP

ANSWER: D

QUESTION NO: 10

Deploying the ISIS protocol in an IPv6 environment is true in the following statement (radio).

- A.** By default, the DIS priority of broadcast network interfaces at Level-1 and Level-2 is 1 B In broadcast networks, the DIS priority for IPV4 and IPV6 can be set separately
- B.** In the same broadcast network. If each router supports both IPV4 and Pv6, the DISC of JPV4 and Pv6 must be the same device
- C.** IS-IS sient is configured under the finger port, this interface will not send ISIS packets, but will receive ISIS packet

ANSWER: B**QUESTION NO: 11**

In an MPLSVPN network, when a packet enters the Internet and is forwarded, it is encapsulated with two layers of MPLS tags, and the processing of the packet in the following options is described correctly?

- A.** The penultimate hop device receives packets with an outer label of 3
- B.** The Egress PE appliance receives an UNlabeled IP packet
- C.** The Egress PE device correctly sends packets to the appropriate VPN
- D.** based on the inner tag The packet pops up the outer label on the penultimate hop device and forwards it to the Egress PE device

ANSWER: A C D**QUESTION NO: 12**

As shown in the following figure, R1 and R2 establish a neighbor relationship for Level2, which is critical: placed as follows, then the following about The route entry for R2 is correct

```

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. The 0:/64 router appears in the IP routing table
- B. 2022:/64 Routers appear in the IP routing table
- C. 2019::/64 Routers appear in the P routing table
- D. 2021:-/64 Router will appear in the P routing table

ANSWER: A B C

QUESTION NO: 13

What descriptions of the OSPF protocol are correct?

- A. AS-External-LSA describes the router's path to ASBR
- B. The cost value of the second type of external route is only the AS external cost value, ignoring the AS internal cost value
- C. AS-External-LSA does not belong in any region
- D. AS-External-LSA describes the path to the as outside of the route, and the scope of the flood is the AS outside

ANSWER: B C

QUESTION NO: 14

RTA is the source DR router, RTB is the RP router, and the multicast source sends multicast data to the RTA, but the PIM is not visible on the RTB Register the multicast source to which the message is registered, then the possible causes are ?

- A. Multicast network statically configures RP, while RTA router does not statically configure RP
- B. The RP elected by RTA is not an RTB
- C. RTB to RTA has no unicast routing, causing the RTB to fail RPF checks for the source
- D. The multicast network dynamically elects the RP instead RTA failed RPF check for BSR

ANSWER: A B C D

QUESTION NO: 15

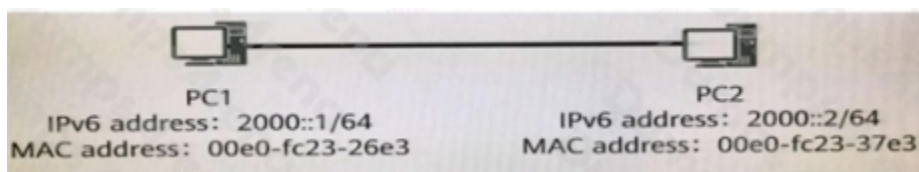
The following statement about IPSec VPN is correct

- A. Brutal mode can support NAT traversal, while main mode does not support NAT traversal.
- B. The two routers establish IPSecVPN in main mode, and from the 5th message (included), the payload's data is often encrypted.
- C. Two routers establish an IPSec VPN in brutal mode, so that the tunnel is built with a minimum of 4 messages interacting between the two devices.
- D. The two routers can establish an OSPF neighbor relationship through the IPSec VPN (19) channel and exchange intranet devices by

ANSWER: B D

QUESTION NO: 16

As shown in the figure, PC1 and PC2 are hosts that belong to the same network segment, below about between PC1 and PC2 What are the correct descriptions of IPv6 neighbor states?



- A. If the MAC address information of PC2 can be queried on PC1, the neighbor relationship may be Stale
- B. If pc2's MAC address information can be queried on PC1, the neighbor relationship may be Probe
- C. There are five possible neighbor states between PC1 and PC2: Incomplete, Reachable, and Stale , Delay, Probe
- D. If the MAC address information of PC2 can be queried on PC1, the neighbor relationship must be Reachable

ANSWER: A C

QUESTION NO: 17

BGP routing policies can control the publication and acceptance of routes

- A. TRUE
- B. FLASE

ANSWER: A

QUESTION NO: 18

The router is running both OSPFv3 and ISIS, and the OSPFv3 route needs to be introduced to ISIS, which of the following ingestion configurations is correct:(Multiple choice questions).

- A. Huawei is 1 [Huawei-isis-1] network-entity 47001.0000020 Huawei-isis-1 ipv6 enable topology standard Huawei is-1] p6 import
- B. (Huawei isis 1 Huawei-isis-1] network-entity 47001.000001. Huawei isis p6 enable topology standard Huawei isis-1] p6 import route ospfv3 1 [Huawei
- C. [Huawei] isis 1 [Huawei-isis-1] network-entity 47001.00000200 Huawei-isis-1 ipv6 enable topology standard Huawei is-1] p6 import route ospfv3 1 [Huawei-isis-1] quit [Huawei
- D. Huawei ISIS [Huawei] isis 1 [Huawei-isis-1] network-entity 47001.0000020 Huawei-isis-1 import route ospfv3 1 [Huawei-isis-1] level level-1 [Huawei-isis-1] network-entity 47001.0000020 Huawei-isis-1 import route ospfv3 1 [Huawei-isis-1] level level-1 [Huawei-isis-1] quit [Huawei

ANSWER: A C

QUESTION NO: 19

During isis ' broadcast network database synchronization, is the following statement correct?



- A. R2, as DIS, sends CSNP periodically.
- B. R2 As DIS, Hello time is 3 times that of a normal router . C. R2 as DIS does not receive PSNP nouns for other routes.
- C. R1 and R3 maintain database consistency by periodically sending PSNP requests.

ANSWER: A

QUESTION NO: 20

BGP EVPN does MAC address advertisement, ARP message advertisement, and IRB route advertisement for which BGP EVPN route is advertised?

- A. Type3
- B. Type2
- C. Type4
- D. Type1

ANSWER: B