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HCIP-Datacom-Advanced Routing & Switching Technology V1.0

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QUESTION 1

IS-IS is a link-state routing protocol that uses the SPF algorithm for route calculation. As shown in the figure, a campus deploys both IPv4 and IPv6 and runs IS-IS to achieve network interconnection. R2 only supports IPv4. Which of the following statements is true about the topology calculation of this network?
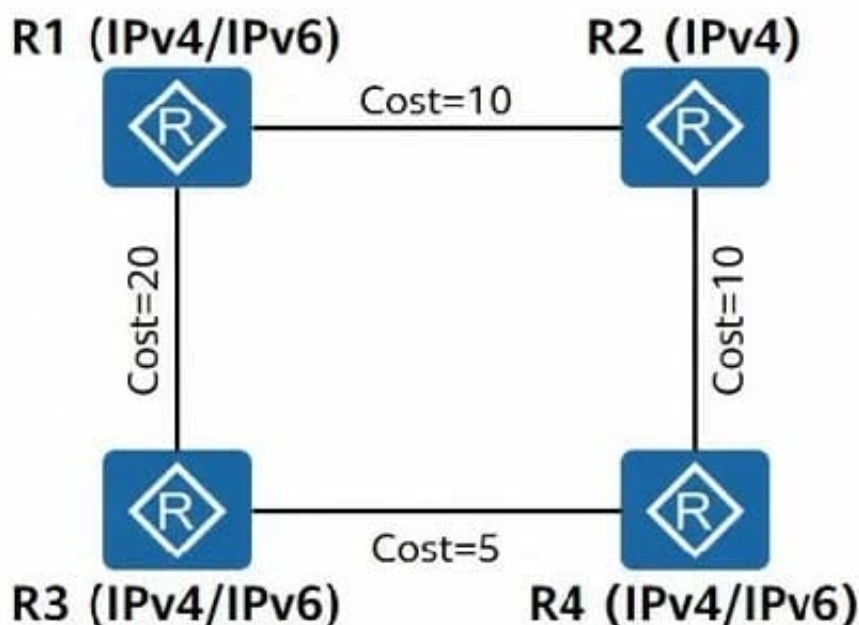
A. If you want IPv4 and IPv6 network computation to form the same shortest path tree, you need to run the ipv6 enable topology ipv6 command to enable the IPv6 capability in the IS- IS process.

B. By default, since R2 does not support IPv6, in the shortest path tree formed by IPv6 network calculation, the path from R1 to R4 is: R1-R3-R4

C. By default, IPv4 and IPv6 networks will be calculated separately to form different shortest path trees

D. By default, in the shortest path tree formed by IPv6 network calculation, the path from R1 to R4 is: R1-R2-R4. Since R2 does not support IPv6, R2 will directly discard IPv6 packets after receiving them, causing traffic loss.

Correct Answer: B

QUESTION 2

Which of the following commands can be used to view information about BGP VPNv4 routes and BGP private network routes on PEs interest?

A. display bgp routing-table address-family vpnv4

B. display bgp vpnv4 routing-table

C. display bgp routing-table ipv4-family vpnv4

D. display vpnv4 bgp routing-table

Correct Answer: B

QUESTION 3

What is the command to adjust the link cost of an IS-IS interface?

A. isis cost

B. isis timer hello

C. isis circuit-level

D. isis circuit-type

Correct Answer: A

QUESTION 4

A campus deploys OSPF to implement network interworking. The LSDB of R2 is shown in the figure. From this LSDB. it is possible to. What information was obtained?
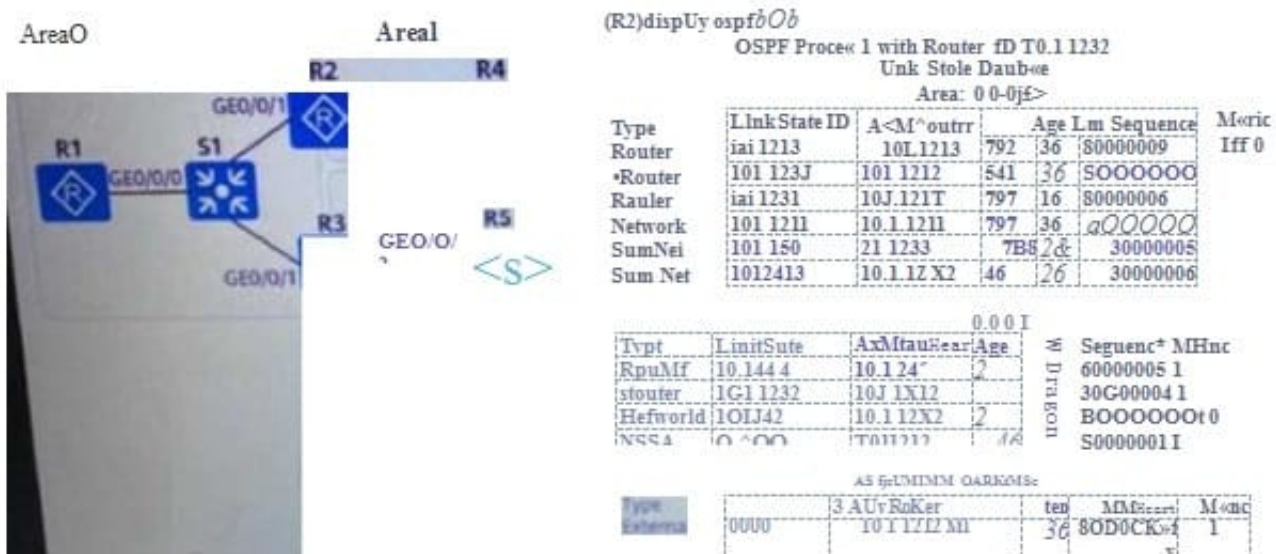
A. ArealNone inType3 LSA. maybeR2in the area1In the correct directiontype3 LSAfiltered

B. Area 1forNSSAarea

C. R2WillType7 LSAThe default route is converted toType5 LSAdefault route for

D. R2existOSPFThe default route is delivered in the process

Correct Answer: BD

QUESTION 5

In the DU label distribution mode, if the Liberal retention mode is adopted, the device will retain the labels distributed by all LDP peers, regardless of whether the LDP peer is the optimal next hop to the destination network segment.

A. True

B. False

Correct Answer: A

QUESTION 6

There is the concept of forwarding equivalence class FEC in MPLS. The following description is wrong:

A. MPLSGrouping packets with the same forwarding processing method is calledFEC

B. a forwarding equivalence classFECA unique label value is assigned on all routers

C. sameFECgrouped inMPLSThere will be different processing in the network

D. FECThe division is very flexible. Can be the source address, and the address, source port, destination port, protocol type or VPNEqual to any combination of division basis

Correct Answer: BC

QUESTION 7

ping -a Xc Ys z -vpn-instance M 10.5.16.2, the meaning of this command is:

A. ShouldpingsendYindivualICMPask

B. ShouldpingofICMPThe request packet size isZ(excludingIPandICMPhead)

C. Shouldpingpackage sourceIFPaddress isX

D. Shouldpingpackage belongs toVPNexampleM

Correct Answer: ABCD

QUESTION 8

When B, CPIMPLS TP VPN is deployeD. the OSPF VPN Route Tag (VPN Route Tag) is not transmitted in the extended community attribute of MP-BGP, but the local concept is only meaningful on PE routers that receive MP-BGP routes and generate OSPF LSAs.

A. True

B. False

Correct Answer: B

QUESTION 9

The default MPLS label publishing mode, label distribution control mode and label retention mode of Huawei routers are respectively

Yes		
How to publish tags	1	downstream from g
		free way
	"	1

A. Label release method - downstream autonomous methoD. label distribution control method - free methoD. label retention method - independent

B. Label release method - free methoD. label distribution control method - independent methoD. label retention method - downstream autonomous method

C. Label release method - downstream autonomous methoD. label distribution control method - independent methoD. label retention method - free method

D. Label release method-independent methoD. label distribution control method-free methoD. label retention method-downstream autonomy

Correct Answer: C

QUESTION 10

In an operator\\'s MPLSVPN network, there are two devices PE1 and PE2 for MPLSVPN data forwarding. PE1 receives a private network route of 172.16.1.0/24 from the client, and converts it to a VPNv4 route on PE1 and assigns a label of 1027 Released to PE2. The outgoing label of the MPLS LSR-ID of PE2 reaching PE1 is 1025o When a client on PE2 accesses 172.16.1.0/24, the frame sent by PE2, the inner and outer labels should be a combination of the following 6 options?

A. outer layer label:1025:inner label:1027

B. outer layer label:1027:inner label:1027

C. Layer Label:1027:inner label:1025

D. Layer Label,1025:inner label:1025

Correct Answer: A

QUESTION 11

According to this picture, Xinmen can be judged?

172.^6.1.1 -q 10 17116.1.4

itacEfOute to 172 .16-1.4(172.16.1 <). max hopv 30 .packet length 40,pms CTRL.C
to break

10,1.112 40 ms IQms ID 10 ms 10 rm 10.1.1Z2 30 im 20 rm 20 rm 20ms 20 rm
30 ms 10.1.11? 10 rm 10 im 20   20 >m 20 ms 10.1-12.2 20 ms 20 rm 20
ire 20in»

2   10124 2 O rm 10.1 342 3Q rm 20 ms 20 fhs 20 rm 30 ms30im 10.1.24 2 20 ms
20rm30 ms 20 ms ,20m
               1Q.A. 34J M ms 20 im TO rrw 40 ms,30 ms 10.1.24.2 20 m 20 m* 2fi <m
[network

A. R1access172.16.1.4.need to go through2hop router

B. R1access172.16.1.4,need to go through4hop router

C. R1access172.16.1.4have2an equivalent path

D. R1access172.16.1.4have4an equivalent path

Correct Answer: AC

QUESTION 12

In addition to virtual connections, what type of IPv6 address is the source IPv6 address of OSPFv3\\'s Hello text?

A. IPv6anycast address

B. unique local address

C. Global Unicast Address

D. link-local address

Correct Answer: D

QUESTION 13

What is the meaning of ipv6 enable topology ipv6 in IS-IS protocol view?

A. SPFCalculated atIPv4,IPv6in the topology of the

B. has no meaning

C. not supportIPv6ofSPFcalculate

D. IPv4,IPv6use the same topologySPFcalculate

Correct Answer: A

QUESTION 14

Which of the following statements about MUX VLANs are true?

A. eachGroup VLANmust bind aPrincipal VLAN

B. Separate VLANscan andMUX VLANall withinVLANcommunication

C. eachSeparate VLANsmust bind aPrincipal VLAN

D. Principal VLANcan andMUX VLAIall withinVLANcommunication

Correct Answer: ACD

QUESTION 15

A router runs OSPF, and the output information is shown in the figure. Which of the following statements is correct?

<Huawei>display ospf Isdb summary OSPF Process 1 with Router ID 10.0-12.1
                                        Area: 0*0.0.0 link State Database

        Type: Sum-Net
        Lsid: 10.0.23.0
        Adv rtr : 10.0.12.2
        Ls age : 61
▪Len : 28
        Options:E
        seq#:80000001
        chksum: 0x3ae8|
        Netmask : 255.255.255.0
Tos 0metric:1
IPriority : Low

A. ShouldLSAis of typeAS-external-LSA

B. ShouldLSAThe described destination network is10.0.23.0/24

C. in the pictureLSAis generated by this router

D. This device isA, BR

Correct Answer: B

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