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Vendor:Huawei

Exam Code:H12-831

Exam Name:HCIP-Datacom-Advanced Routing &
Switching Technology V1.0

Version:Demo

QUESTION 1

If faced with a complex network failure, and it is estimated that the troubleshooting cannot be completed in a short period of time, and the user urgently needs to restore the availability of the network, then the correct approach is.

- A. Tell the user it's not possible
- B. Directly build an alternative network environment without notifying customers
- C. Always try to troubleshoot without informing the user of the current troubleshooting difficulty
- D. Communicate with users whether it is possible to skip the faulty node and build an alternative network environment

Correct Answer: D

QUESTION 2

Network administrator A wants to use AS-Path Filter to match the BGP routing attribute AS_PATH[100200300]. Network administrator A sorts out the four configurations in the figure. Which of the following configurations can meet the requirements of network administrator A?

Method	Config
A	ip as-path-filter TEST permit 100 200 300
B	ip as-path-filter TEST permit _300\$
C	ip as-path-filter TEST permit ^[^100]
D	ip as-path-filter TEST permit *.

- A. way A
- B. way D
- C. WayC
- D. way B

Correct Answer: AD

QUESTION 3

Which of the following statements about MUX VLANs are true?

- A. eachGroup VLAN must bind aPrincipal VLAN
- B. Separate VLANscan andMUX VLANall withinVLANcommunication
- C. eachSeparate VLANsmust bind aPrincipal VLAN

D. Principal VLAN can and MUX VLAN all within VLAN communication

Correct Answer: ACD

QUESTION 4

When troubleshooting a network, if you need to confirm the business traffic path, which of the following may need to be done ()

- A. Confirm data link layer service traffic path
- B. Confirm the network layer service traffic path
- C. Investigate service traffic path planning in the network design phase
- D. Confirm the frequency of failure

Correct Answer: ABC

QUESTION 5

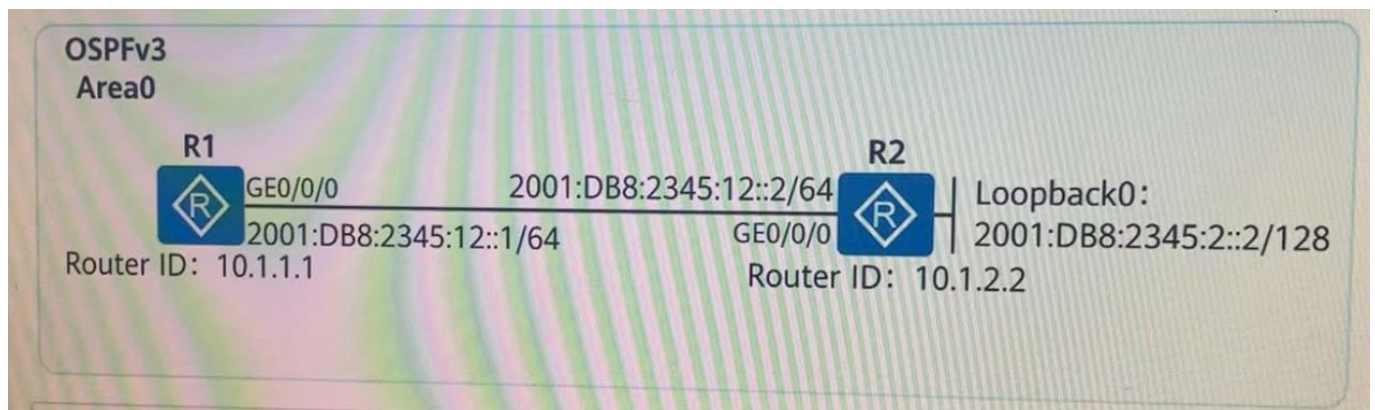
In the DU label distribution mode, if the Liberal retention mode is adopted, the device will retain the labels distributed by all LDP peers, regardless of whether the LDP peer is the optimal next hop to the destination network segment.

- A. True
- B. False

Correct Answer: A

QUESTION 6

An engineer uses two routers to test IPv6 services, and runs OSPFv3 to implement IPv6 network interconnection. R1 is required to be able to access the loopback interface address of R2. The engineer checked the OSPFv3 routing table entry of R1, as shown in the figure, and found that there was no route to the loopback interface address of R2. Which of the following reasons could not be the cause?



```
[R1]display ospfv3 routing

Codes : E2 - Type 2 External, E1 - Type 1 External, IA - Inter-Area, N - NSSA, U - Uninstalled

OSPFv3 Process (1)
  Destination                Metric    Next-hop
  2001:DB8:2345:12::/64      1         directly connected, GigabitEthernet0/0/1
```

- A. R2 advertises the loopback interface into different OSPFv3 processes
- B. R2 does not have OSPFv3 enabled on the loopback interface
- C. R2 does not use network to advertise loopback address in area 0
- D. R2 is not configured with the Router ID used in the OSPFv3 process

Correct Answer: B

QUESTION 7

Which of the following regular expressions can match only BGP routes that pass through AS200 and then through AS300 eyes?

- A. 200\$|300\$
- B. A200|A300
- C. _(200 300)_
- D. _[200 300]

Correct Answer: C

QUESTION 8

Regarding MP-BGP, which of the following descriptions is wrong?

- A. PE and CE pass between BGP. When interactive routing, you need to CE up for each VPN instance creation BGP process
- B. MP-BGP the message type, VPNv4 route advertisement strategy and BGP-4 same
- C. MP-BGP needs to be VPNv4 route assignment private network label

D. MP-BGP pass through MP_REA, CH_NLRI and MP_UREA, CH_NLRI two properties to advertise VPNv4 routing

Correct Answer: A

QUESTION 9

In intra-domain MPLS VPN networks, data packets will be encapsulated with two layers of MPLS when they enter the public network and are forwarded. Label, a description of the two-layer label in the following options. What is wrong is:

- A. MPLS VPN The outer label is made by LDP protocol or statically assigned. The inner label is assigned by the correct end MP-BGP assigned by neighbors
- B. By default, the outer label is popped before the packet is forwarded to the last hop device
- C. MPLS VPN The outer layer is labeled as a private network label, and the inner layer label is called a public network label.
- D. Layer labels are used in PE. The device sends the packet correctly to the corresponding VPN middle

Correct Answer: CD

QUESTION 10

As shown in the figure, private network routing information is exchanged between PE1 and PE2 and their respective CEs through OSPF, and the same DomainID is set on both PE1 and PE2. When routes are imported from BGP to OSPF on

PE2, it is possible that.

Which of the following types of LSAs are passed to CE2?



- A. Type1 LSA
- B. Type3 LSA
- C. Type7 LSA

D. Type5 LSA

Correct Answer: BCD

QUESTION 11

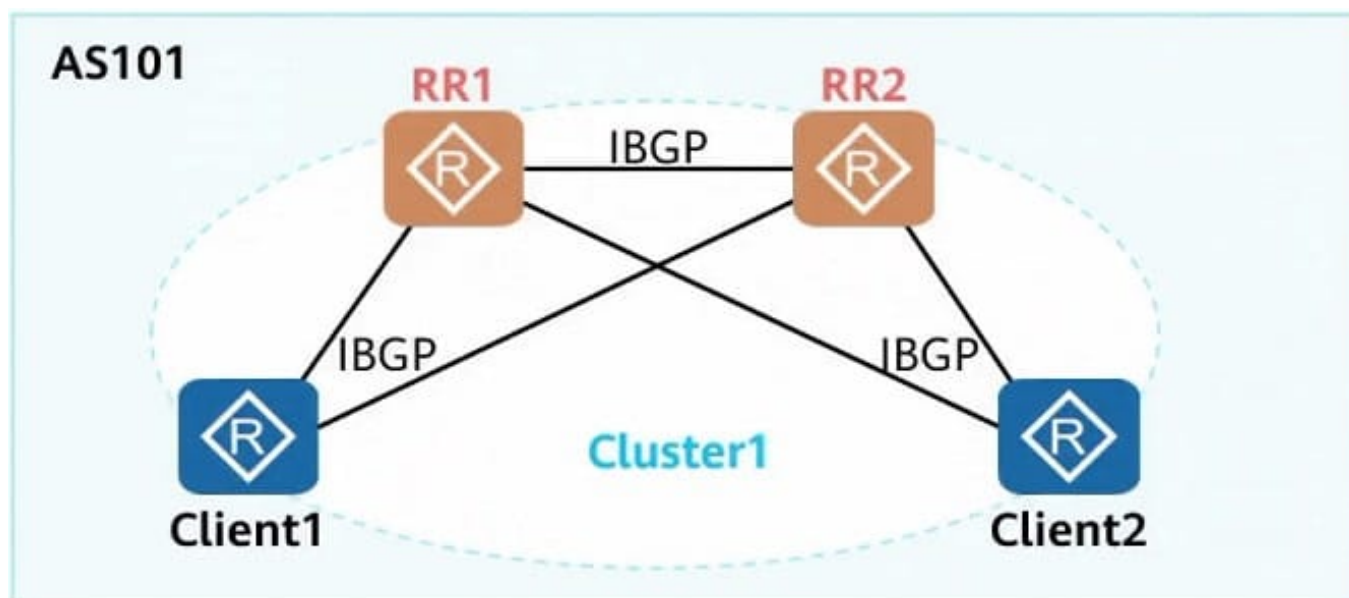
Which of the following sequences can be matched by the regular expression 100.S?

- A. 100
- B. 1000
- C. 10000
- D. 1001

Correct Answer: BD

QUESTION 12

As shown in the figure, in a medium-sized network, BGP generally deploys dual RRs to improve R reliability. When deploying dual RRs, the Cluster IDs of the two RRs are generally set to be the same. The reason for this is



- A. Prevent RR from receiving too many routes and causing insufficient memory
- B. prevent suboptimal
- C. prevent loops

D. Prevent the client from receiving too many routes and causing it to run out of memory

Correct Answer: A