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Exam : **H12-831-ENU**

Title : **HCIP-Datacom**

Vendor : **Huawei**

Version : **DEMO**

NO.1 What characteristics must a high-risk operating program have? (Multiple choice)

- A. can be returned
- B. have verification
- C. to be precise
- D. Strong operability

Answer: A,B,C,D

NO.2 The routine collection of basic equipment information, which of the following are included? (Multiple choice)

- A. Whether the configuration is saved
- B. The software version the device is running
- C. License information
- D. Patch Information

Answer: A,B,C,D

NO.3 If no security policy is configured between firewall domains, or when searching for a security policy. If all security policies are not matched, the default interzone packet filtering action is executed by default is?

- A. Different default actions should be different
- B. Escalate to the administrator
- C. Refuse to pass
- D. Only allowed to pass some part

Answer: C

NO.4 Which of the following BGP routing attributes cannot control BGP routing?

- A. Originator ID
- B. Community
- C. AS Path
- D. MED

Answer: B

NO.5 Traditional BGP-4 can only manage IPV4 unicast routing information. MP-BGP extends BGP-4 in order to provide support for multiple network layer protocols. The feature that MP-BGP supports for IPv6 unicast networks is called BGP4+, and BGP4+ carries the next hop address information of the route through the Next Hop attribute.

- A. False
- B. True

Answer: A

NO.6 The IS-IS Leve1-1 neighbor between R3 and R4 is not established. What is the possible reason based on the information in this figure?

```
[R3] display isis error Hello packet errors: Repeated System ID :0 Bad Circuit Type
0 Bad TLV Length :0 Zero Holding Time 0 Unusable IP Addr :0 Repeated IPv4Addr 0
Mismatched Area Addr(L1):13 Mismatched Proto 0 SNPA Conflicted(LAN) :0 Mismatched
Level 0 Mismatched Max Area Addr: 0 Bad Authentication 0 [R3]>
```

- A. The area numbers of R3 and R4 are different
- B. The circuit-type of the interconnection interface of R3 and R4 does not match
- C. The IIS authentication of R3 and R1 failed
- D. IS-Level of R3 and R4 do not match

Answer: A

NO.7 OSPF is deployed in a campus to implement network interconnection, and OSPF is also enabled on the GE0/0/2 interface of R3. Area1 is deployed as an NSSA area, and the device addresses are shown in the figure.

R1	GE0/0/0	10.1.12.1/24
R2	GE0/0/0	10.1.12.2/24
	GE0/0/1	10.1.23.2/24
R3	GE0/0/1	10.1.23.3/24
	GE0/0/2	10.1.34.3/24
R4	GE0/0/2	10.1.34.4/32
	Loopback0	10.1.4.4/32

An engineer configures a static route on R3 to access the loopback interface address of R4, and imports the static route in the OSPF process.

At this time, in the Type5LSA received by R1, the forwarding address (FA) is (). (Note: Please fill in the IP address without mask)

- A. 10.1.34.3

Answer: A

NO.8 According to this picture, we can judge:

```

<R3>display ipv6 routing-table protocol isis
... ..
Destination : 2082:EDFC:DDCC::B824:0      PrefixLength : 127
NextHop     : FE80::2E0:FCFF:FE45:6A3E    Preference   : 15
Cost       : 20                          Protocol     : ISIS-L1
Interface  : GigabitEthernet0/0/0        Flags        : D

Destination : 2082:EDFC:DDCC::B891:0      PrefixLength : 127
NextHop     : FE80::2E0:FCFF:FE50:406F    Preference   : 15
Cost       : 20                          Protocol     : ISIS-L2
Interface  : GigabitEthernet0/0/1        Flags        : D

```

- A. The device type of R3 must be Level-1
- B. The device type of R3 must be Level-2
- C. Unable to determine the device type of R3
- D. The device type of R3 must be Level-1-2

Answer: D

NO.9 Which of the following descriptions about the LDP Sessioni establishment process is correct?
(Multiple choice)

- A. If the Hello Messenger does not carry the Transport Address
- B. Two LSRs send Hello messages to each other. The Hello message carries the transport address, and the party with the larger transport address acts as the active party and initiates the establishment of a TCP connection.
- C. If the passive party can accept the relevant parameters, it will send an InitializationMessage and a Keepalive message to the active party.
- D. The active party will send an Advertisement Message to negotiate relevant parameters for establishing an LDP session, including the LDP protocol version, label distribution method, Keepalive retention timer value, maximum PDU length, and label space.

Answer: A,B,C

NO.10 When troubleshooting network faults, you judge and eliminate the root cause of the problem layer by layer in the order of access layer, aggregation layer, and core layer. Which of the following is this method of network troubleshooting?

- A. Contrastive configuration method

- B. Block method
- C. Bottom-up approach
- D. Segmentation

Answer: D

NO.11 High-risk operations refer to all operations that may affect the stable operation of equipment, the normal operation of customer services, or the normal monitoring of network management.

- A. False
- B. True

Answer: B

NO.12 Which of the following can the patterns of network design generally be classified into? (Multiple choice)

- A. Modular
- B. to modernize
- C. Normalization
- D. Hierarchical
- E. Automation

Answer: A,D

NO.13 If the display current-configuration can reveal the IS-IS configuration, but there is no IS-IS configuration in the display saved-configuration, then the explanation?

- A. Flash running IS-IS configuration, not saved to memory
- B. IS-IS configuration running in memory, not saved to Flash
- C. The running IS-IS configuration in memory has been saved to Flash
- D. No IS-IS command entered

Answer: B

NO.14 What does the cutover project plan mainly include? (Multiple choice)

- A. Cutover Implementation
- B. Emergency plan
- C. Cutover Preparation
- D. Fallback plan

Answer: A,B,C,D

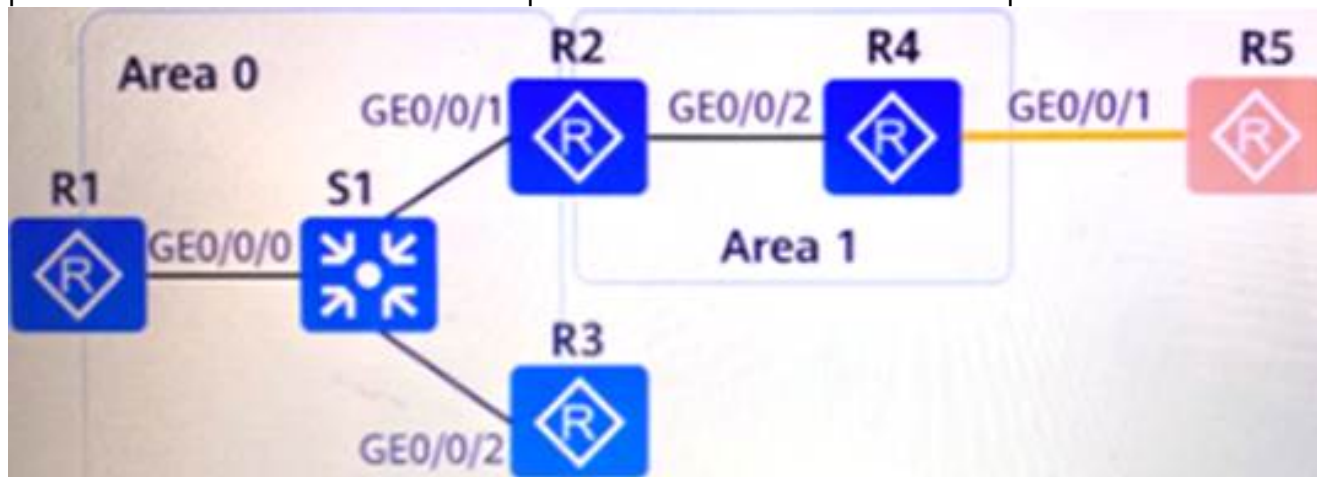
NO.15 The LDP session is used to exchange messages such as label mapping and release between LSRs. Regarding the description of the LDP session establishment process, which of the following is correct? (Multiple choice)

- A. Initialization Message is used to negotiate parameters during LDP Session establishment
- B. Two LSRs exchange Hello messages to trigger the establishment of an LDP session
- C. KeepAlive Message is used to monitor the integrity of the TCP connection of the LDP Session
- D. When the ingress node LSR receives the label mapping message, it completes the establishment of

the LDP session

Answer: A,C

NO.16 A park has deployed IPv6 for service testing. There are 4 routers (R1, R2, R3 and R4) in the network, running OSPFV3 to realize the interconnection of the IPv6 network. A new router R5 needs to be connected to the network for testing. An engineer introduces a direct route in the OSPFV3 process of R4 so that devices in the campus network can access the GE0/0/1 port address of R5.



Which of the following statements about the scene is true? (Multiple choice)

- A. R2 will generate a Type4 LSA and only flood in Area 0
- B. R4 will generate a Type5 LSA and only flood in Area1
- C. R4 will generate a Type5 LSA describing the imported IPv6 routing prefix
- D. R2 will generate a Type4 LSA describing the Router ID of R4

Answer: A,C,D

NO.17 If the neighbor does not advertise a certain route, it means that the neighbor may not put the descriptive information about the route into the local OSPF link state database.

- A. FALSE
- B. TRUE

Answer: B

NO.18 Between different IS-IS processes of the same router, the link state information is isolated by default.

- A. FALSE
- B. TRUE

Answer: B

NO.19 What are the working modes of firewall interfaces? (Multiple choice)

- A. Transmission Mode
- B. Transparent Mode
- C. Exchange Mode
- D. Routing Mode

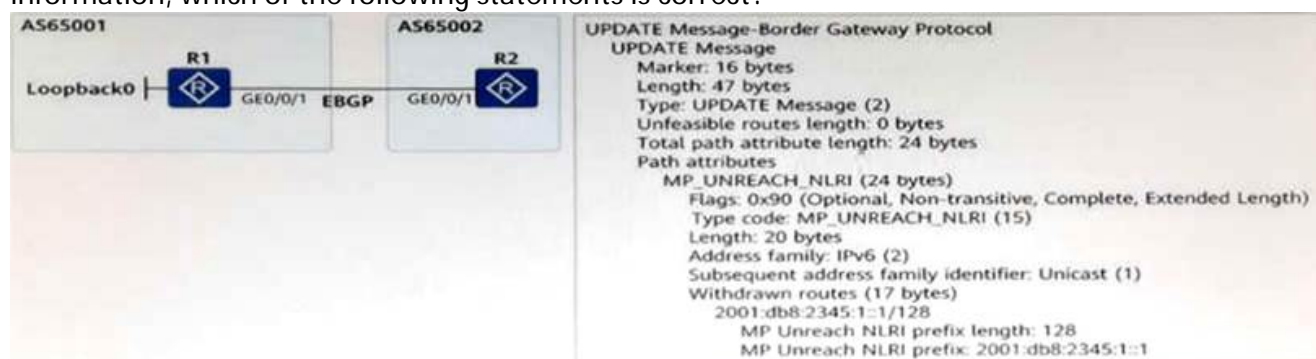
Answer: B,D

NO.20 When there is a relay device between the DHCP client and the DHCP server, if the IP address in the global address pool of the DHCP server and the IP address of the VLANIF interface connecting the client on the relay device are not in the same network segment, DHCP fault will be caused.

- A. TRUE
- B. FALSE

Answer: B

NO.21 An engineer uses two routers to test IPV6 services, and runs BGP4+ to simulate the interconnection between the headquarters and branches. As shown in the figure, an engineer captures packets to view the Update message sent by R1. About the description of the message information, which of the following statements is correct?



- A. The routing address prefix and its prefix length described in this packet are 2001
- B. This packet describes the currently withdrawn IPv6 route
- C. Only one BGP attribute is described in this packet, and the NLRI attribute cannot be reached by multiple protocols
- D. The next hop address of the route described in this packet is: 2001

Answer: B

NO.22 For which packets can Huawei equipment perform traffic suppression? (Multiple choice)

- A. Unknown Unicast
- B. Known Unicast
- C. Broadcast
- D. Multicast

Answer: A,B,C,D

NO.23 The security protection actions that can be performed by a secure MAC address do not include which of the following?

- A. Protect
- B. Remark
- C. Shutdown
- D. Restrict

Answer: B

NO.24 OSPFv2 is an IGP running on an IPv4 network, OSPFv3 is an IGP running on an IPv6 network. The packet types of OSPFv3 and OSPFv2 are the same, including Hello packets, DD packets, LSU

packets, LSU packets, and LSAck packets. Which of the following statements is true about OSPFv3 packets?

- A. OSPFv3 uses IPv6 multicast address FF02
- B. The OSPFV3 Hello packet carries the IPv6 address prefix list of the router interface
- C. OSPFV3 uses the authentication field in the packet header to complete packet authentication
- D. OSPFv3 uses the link-local address as the source address of the outgoing packet. The packet can be forwarded outside the range of the originating link

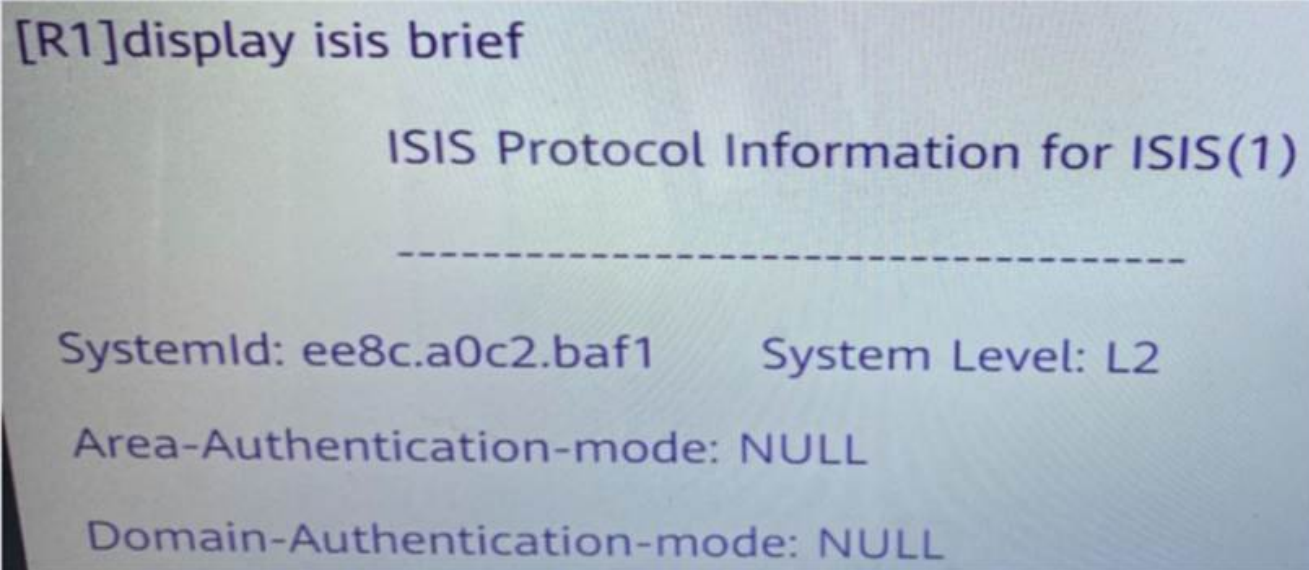
Answer: A

NO.25 Which of the following descriptions of RT is correct? (Multiple choice)

- A. RT can be divided into two types of VPN Target attributes: Export Target and Import Target
- B. RT value is published to neighbors through Update message in the way of BGP extended community attribute
- C. One or more pairs of VPN Target attributes are associated with each VPN instance to control the publication and reception of VPN routing information between sites
- D. The settings of Export Target and Import Target are independent of each other, and multiple values can be set for each target, which can realize flexible VPN access control

Answer: A,B,C,D

NO.26 According to this figure, we can judge:



```
[R1]display isis brief
                ISIS Protocol Information for ISIS(1)
                -----
SystemId: ee8c.a0c2.baf1      System Level: L2
Area-Authentication-mode: NULL
Domain-Authentication-mode: NULL
```

- A. R1 sets routing domain authentication
- B. The device type of R1 is Leve-2
- C. R1 is configured with zone authentication
- D. The device type of R1 is Level-1

Answer: B

NO.27 esigth uses different colors to distinguish different alarm levels. Red means urgent, orange means important, yellow means minor, and blue means prompt. Which of the following statements about different alarm levels is true? (Multiple choice)

- A. Urgent: Alerts that have affected the business and require immediate corrective action

B. Important: Alarms that have affected the business and will have more serious consequences if not handled in time

C. Minor: Alarms that currently have some impact on the business but require corrective action to prevent serious failures

D. Prompt: A potential or imminent business-affecting failure is detected, but currently has little business impact

Answer: A,B,C,D

NO.28 There is a concept of forwarding equivalence class (FEC-Fowarding Equivalence Class) in MPLS, so FEC cannot be allocated based on which of the following criteria?

A. Class of Service

B. Destination Address

C. Application Protocol

D. Fragment offset

Answer: D

NO.29 Which of the following descriptions about BGP/MPLS IPVPN data forwarding is wrong?

A. The inner label of data forwarding is allocated by MP-BGP

B. The data sent by PE to CE is IPv4 packet

C. When data is transmitted in the BCP/MPLS IP VPN backbone network, it always carries two layers of labels

D. The outer label of data forwarding can be assigned by LDP

Answer: C

NO.30 When a large number of IP phones and WLAN APs need to be accessed in the network, which type of switch is generally considered?

A. Switches with SACG function

B. Switch with QoS function

C. Switch with STP edge port capability

D. Switches with POE function

Answer: D