Vendor: Huawei

Exam Code: H12-891_V1.0

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QUESTION 1
In the virtualized campus network scenario deployed through iMaster NCE-Campus, which one of the following descriptions about "adding devices" is wrong?

A. IMaster NCE-Campus supports adding devices through device roles
B. IMaster NCE-Campus supports adding devices in batches
C. IMaster NCE-Campus supports adding devices by device type
D. IMaster NCE-Campus supports adding devices through device ESN code

Answer: A

QUESTION 2
In the scenario of dynamically establishing an SR Policy tunnel through a controller, which one of the following descriptions of the SR Policy solution architecture is wrong?

A. The controller issues configuration controls such as business interfaces and routing policies through NETCONF.
B. The controller delivers SRv6 SID and other information through Telemetry and builds device SID entries.
C. The controller delivers the color, headend, endpoint and other information of the SR Policy through the BGP IPv6 SR Policy.
D. The controller collects tunnel topology information through BGP-LS and calculates the SR Policy path

Answer: B

QUESTION 3
An enterprise wants to conduct centralized security control over Internet traffic. Which of the following Internet access methods is more appropriate?

A. Centralized Internet access
B. Access the Internet according to priority
C. Local Internet access
D. Mixed Internet access

Answer: A

QUESTION 4
When IPv6 has and only one extended header SRH (Segment Routing Header), which of the following values will be used for the Next Header field in the IPv6 basic header?

A. 43
B. 50
C. 41
D. 51

Answer: A

QUESTION 5

IPsec SA (Security Association, Security Association) has two generation methods, namely manual method and IKE automatic negotiation method.
Which of the following descriptions of these two methods is wrong?

A. Both manual and IKE-established SAs support dynamic refresh.
B. The lifetime of an SA established in IKE mode is controlled by the lifetime parameters configured by both parties.
C. In manual mode, all parameters required to establish SA, including encryption/verification keys, etc., need to be manually configured by the user.
D. In IKE mode, the encryption/verification key required to establish SA is generated through the DH algorithm.
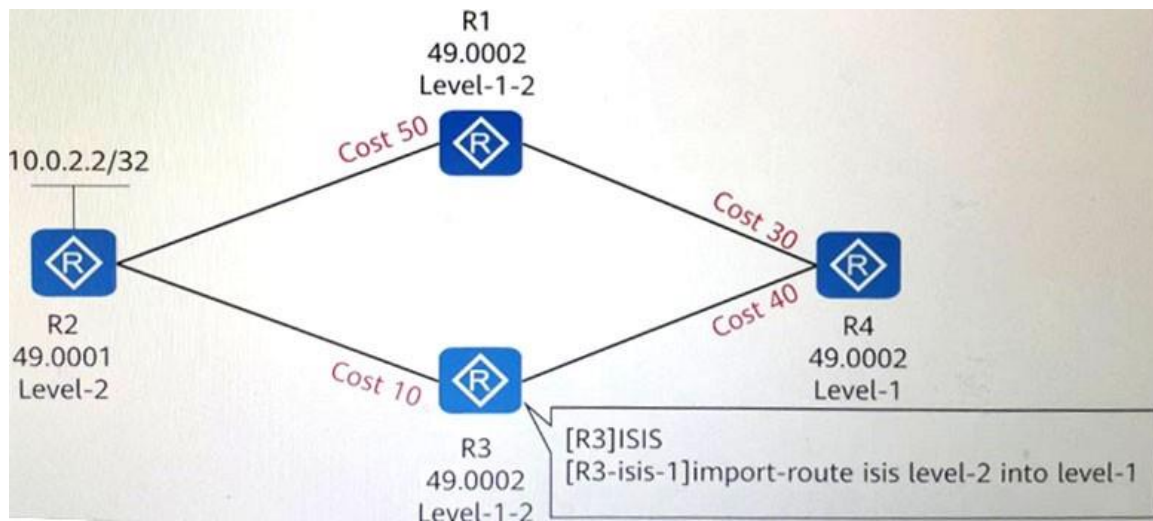
Answer: A

QUESTION 6
Which of the following statements about OSPF and IS-IS is wrong?

A. Both DR and BDR need to be elected in the broadcast network
B. OSPF and IS-IS are both link state protocols
C. Both OSPF and IS-IS support area division
D. Both OSPF and IS-IS use Hello messages to establish and maintain neighbor relationships.

Answer: A

QUESTION 7
Four routers run IS-IS and have established adjacencies. The area numbers and router levels are marked in the figure. If route penetration is configured on the R3 device, what is the Cost value for R4 to reach 10.0.2.2/32?

A. 80
B. 50
C. 30
D. 40

Answer: B

QUESTION 8
After the RPT tree is established, what is the wrong description about SPT switching?

A.   All multicast traffic passes through the RP router, and the RP router may become a bottleneck for data forwarding.
B.   After the SPT switch is completed, multicast traffic still passes through the RPT tree.
C.   SPT has the shortest path and better forwarding performance
D.   The RPT tree may not be the optimal path for multicast traffic forwarding.

Answer: B

QUESTION 9
In BGP4+, regarding the content of the next hop network address field carried by the MP_REACH_NLRI attribute in the Update message, which of the following descriptions is correct?

A.   Can carry link local address and global unicast address at the same time
B.   Can only be a global unicast address
C.   Can only be a link-local address
D.   Can be just a link-local address

Answer: A

QUESTION 10
iMaster NCE-Campus Insight southbound interface realizes the connection between Campus Insight and the device, and completes the management function of Campus Insight on the device. Which of the following is not included in the southbound interface types supported by Campus Insight?

A.   NETCONF
B.   HTTP/2+ProtoBuf
C.   Syslog
D.   SNMP

Answer: A

QUESTION 11
The IS-IS Level-1 neighbor between R3 and R4 is not established.

```
[R3]display isis error

Hello packet errors:

... ...

Repeated System ID      : 0        Bad Circuit Type       : 0

Bad TLV Length          : 0        Zero HoldingTime       : 0

Unusable IP Addr        : 0        Repeated IPv4 Addr     : 0

Mismatched Area Addr(L1): 13         Mismatched Proto        : 0

SNPA Conflicted(LAN)    : 0        Mismatched Level        : 0

Mismatched Max Area Addr: 0          Bad Authentication     : 0
```

Based on the information in this image, which of the following is a possible cause?

A. IIH certification of R3 and R1 failed
B. The interconnection interface circuit-type of R3 and R4 does not match
C. The IS-Levels of R3 and R4 do not match
D. The area codes of R3 and R4 are different

Answer: D

QUESTION 12
In Huawei's access control solution, Portal authentication does not support which of the following user authentication methods?

A. Based on username and password
B. Based on user's MAC address
C. Based on SMS verification code
D. Based on Passcode

Answer: B

QUESTION 13
EVPN supports multiple service modes. In which of the following service modes, one interface can only be used by a single user?

A. VLAN Bundle
B. VLAN Based
C. VLAN-Aware Bundle

D. Port Based

Answer: D

QUESTION 14

When troubleshooting a dual-master fault in a VRRP backup group, which of the following descriptions is wrong?

A. Need to check whether the virtual IP addresses of the VRRP groups are the same
B. You need to check whether the interface IP address is in the same network segment
C. You need to check whether the VRRP group IDs on the interfaces are the same.
D. There is no need to check whether the switch port transmitting VRRP advertisement messages is in the same VLAN.

Answer: D

QUESTION 15

In the scenario of dynamically establishing a VXLAN tunnel through BGP EVPN, which of the following descriptions about the role of BGP EVPN Type5 routing is wrong?

A. Type5 routing can carry the host IP address. At this time, it has the same function as IRB type routing. It is mainly used for host IP route advertisement in distributed gateway scenarios.
B. Type5 routing will carry L3 VNI
C. Type5 routing will carry L2 VNI
D. Type5 routing carries routing information through the IP Prefix Length and IP Prefix fields.

Answer: C

QUESTION 16

Which of the following descriptions is unlikely to be the cause of a dual-master failure in a VRRP backup group?

A. The Master device sends one notification message per second.
B. The VRRP backup group IDs at both ends are different.
C. Link failure for transmitting VRRP advertisement messages
D. The low-priority VRRP backup group discards the received VRRP advertisement messages as illegal messages.

Answer: A

QUESTION 17

In the scenario of dynamically establishing a VXLAN tunnel through BGP EVPN, which of the following routes does BGP EVPN use for MAC address advertisement, ARP information advertisement, and IRB route advertisement?

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

Answer: D

QUESTION 18
Which of the following descriptions about GRE tunnels is wrong?

A. GRE can encapsulate IPv4 unicast packets
B. The GRE implementation mechanism is simple and puts less burden on the equipment at both ends of the tunnel.
C. GRE can encapsulate IPv6 unicast packets
D. GRE can encapsulate IPv6 broadcast messages

Answer: D

QUESTION 19
The OSPF protocol is deployed in a small and medium-sized network. When checking the routing table of a certain device, it is found that only direct routes exist. Which of the following operations is unlikely to cause this fault?

A. Routing protocol configuration error
B. The configured user permissions are too low
C. Routing policy configuration is wrong
D. Port address configuration problem

Answer: B

QUESTION 20
YANG is a data modeling language.
Which of the following descriptions about YANG is wrong?

A. Can be losslessly converted to the YIN (YANG Indepent Notation) model based on XML syntax
B. The final presentation of the YANG model is a file with the suffix yang
C. Only built-in data types are supported, extended data types are not allowed
D. Based on hierarchical tree structure modeling

Answer: C

QUESTION 21
In a virtualized network scenario deployed through iMaster NCE-Campus, after configuring user accounts, authentication and authorization need to be configured. The configuration steps for authentication and authorization do not include which of the following?

A. Authorization rules
B. Certification Rules
C. Authorization results
D. Certification results

Answer: D

QUESTION 22
Telemetry is a technology that remotely collects data from physical or virtual devices at high speed. For the model using gRPC push, which of the following is not a component of the data model layer?

A. Notification message layer
B. Telemetry layer
C. Business data layer
D. RPC layer

Answer: A

QUESTION 23
Which of the following is the Layer 3 logical interface used to implement different VXLAN virtual network communications on the VXLAN L3 Gateway?

A. VBDIF interface
B. NVE interface
C. VLANIF interface
D. Layer 2 sub-interface

Answer: A

QUESTION 24
The SID of a certain SRv6 node has functions similar to Node Segment in SR-MPLS. Which of the following instructions does this SID correspond to?

A. End.T
B. End
C. End. DT4
D. End.X

Answer: B

QUESTION 25
Assume that there are 5 Segment IDs in the SRH of an SRv6 message. When the message reaches the third router on the forwarding path, the node will set the Segment ID numbered as which of the following to the IPv6 destination address?

A. 2
B. Unable to determine
C. 5
D. 3

Answer: B

QUESTION 26
Before the SSH client uses public key authentication to connect to the SSH server, it needs to

create a key pair in advance. The client uses GitBash to create a DS3 key pair. Which of the following commands is used to create it?

A. ssh-keygen -t dsa
B. ssh-keygen -t dss
C. ssh-keygen-t ecc
D. ssh-keygen-trsa

Answer: B

QUESTION 27
A user wrote the clear_start_info method to use the OPS function to clear the configuration file of the current network device. The code is as follows: Which of the following descriptions is wrong?

```
def clear_startup_info(ops_conn):
    uri = "/cfg/clearStartup"
    req_data = \
        '''<?xml version="1.0" encoding="UTF-8"?>
        <clearStartup>
        </clearStartup>
        '''

    ret, _, rsp_data = ops_conn.create(uri, req_data)
    if ret != httplib.OK:
        return None
    return rsp_data
```

A. When Ops_conn.create (uri, req_data) is executed, a HITP request of "PUT" operation type will be sent.
B. Ret is the HTTP status code
C. Rsp_data is the response data of the system after the request is executed. For the format, please refer to the RESTful API of the network device.
D. Req_data data is stored in the body part of the HTTP request

Answer: A

QUESTION 28
RPF has the function of preventing multicast forwarding loops.

A. True
B. False

Answer: A

QUESTION 29
The OPS (Open Programmability System) function of Huawei network equipment allows users to run Python scripts on their local PC and call the RESTful API interface opened by the equipment.

A. True
B. False

Answer: B

QUESTION 30
Drag and Drop Question

VGMP defines multiple message types. Please match the message types and functions.

VGMP message	Used for two FWs to exchange VGMP group information and negotiate the active and standby status.
HRP data message	Used to detect whether the peer device is in working condition
HP heartbeat message	Used for data backup between primary and secondary devices
HRP link detection message	Used to detect whether the heartbeat port of the peer device can normally receive packets from the local device.

Answer:

VGMP message
HP heartbeat message
HRP data message
HRP link detection message

QUESTION 31
In order to save the number of MPLS labels in 6PE networking scenarios, the router can enable the sharing of explicit empty labels. At this time, the label value assigned by the router to all 6PE routes is ().

Answer: 2

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