Exam Code: H19-424_V1.0

Exam Name: HCSP-Presales-Campus Network Planning And Design V1.0

Exam A

QUESTION 1
In the southbound protocol of the controller, the () protocol collects topology information in real time?

A. PCEP

B. BGP-LS

C. Netconf

D. Telemetry

Correct Answer: B
Section:

QUESTION 2
In the VXLAN access scenario, the maximum number of access devices is recommended

A. 1

B. 2

C. 3

D. 4

Correct Answer: D
Section:

QUESTION 3
When SDN-IWAN is designing BGP routing control, the entire Guqian network structure is a double-plane structure, which increases the reliability of the network, and the PE of the same plane is preferred when the BGP routing of PE equipment is selected, which is realized through ().

A. ORIGIN

B. MED

C. LocalPre

D. AS_PATH

Correct Answer: B
Section:

QUESTION 4
What kind of route does EVPN use to solve the AC-side loop problem?

A. Ethernet A-D Route(Type 1)

B. Ethernet Segment Route(Type4)

C. MAC/IP Advertisement Route(Type2)

D. Inclusive Multicast Route(Type3)

Correct Answer: A
Section:

QUESTION 5
Regarding the description of tunnel planning, it is incorrect ()

A. SRv6 Policy Group, SRv6 Policy, and SRv6-BE tunnels are delivered and deployed through the iMaster NCE-IP.
B. VPN services in the backbone network can be carried by SRv6 Policy Group, SRv6 Policy, and SRv6-BE tunnels.
C. For L2EVPN services, SRv6Policy tunnels are used first, followed by SRv6-BE for escape.
D. For L3EVPN services, it is recommended to use SRr6Policy Group tunnels for DSCP traffic diversion and SRv6-BE tunnels for escape if the SRv6 Policy tunnel fails to iterate routes.

Correct Answer: A
Section:

QUESTION 6
SRv6 Policy Group tunnel planning description, incorrect is ()

A. Establish an SRv6 Policy Group tunnel group for local and remote devices on the same plane.
B. The minimum color of the SRv6 Policy Group tunnel group is 1,000,000, and the colors of different VPN services and planes do not need to be distinguished, but can be the same.
C. Configure an SRv6 Policy Group tunnel group for a VPN service.
D. Multiple policy tunnels can be planned within the group according to the actual needs of users.

Correct Answer: B
Section:

QUESTION 7
In the government unified construction mode of SDN-WAN solution, the SRv6 tunnel design description is incorrect ()

A. Service slices must use SRv6 Policy tunnels, which can be strictly explicit or loose.
B. The whole network uses NCE-P to calculate the path of the slice network based on the affinity attribute to ensure the optimal path of the whole network and make full use of the link bandwidth while ensuring the service quality.
C. SRv6Policy tunnels are vertically deployed between districts, counties, cities, and provincial WANs to optimize traffic to improve bandwidth utilization and ensure service quality.
D. SRO6fPolicy tunnels can be carried in the default slice network or in a non-default slice network. For default slices, SRv6BE is preferred. Services with special requirements can also be carried through SRv6 policy tunnels.

Correct Answer: A
Section:

QUESTION 8
In the government affairs scenario of the SDN-WAN solution, the design description of the service VPN access network slicing solution is incorrect ()

A. Deploy a VRF instance for each slice
B. Each VRF instance is configured with a routing policy to color a specific color
C. After the SRv6Policy tunnel in the slice matches the color, the VRF instance is iterated to the SRv6Policy tunnel in the corresponding slice after the head node matches the color.
D. FLEX-E technology is recommended for interfaces below 50GE and channelized interface technology for interfaces of 50GE and above.

Correct Answer: D
Section:

QUESTION 9
In the WLAN Planner tool, under what circumstances will it not prompt whether to enter roaming mode when walking on the 3D floor

A. The number of APs is greater than 50 or equal to 0
B. The number of APs is greater than 100 or equal to 0
C. When the signal strength in the floor is too low
D. In the case of insulating obstacles

Correct Answer: D
Section:
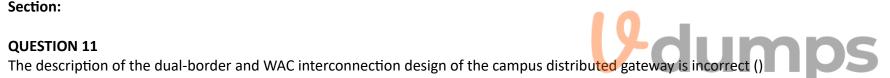
QUESTION 10
In the CloudCapmus solution, NETCONF/YANG does not support the management of Huawei devices

A. CloudEngine S series switches
B. CE series switches in data centers
C. WLAN AP
D. AR series routers
E. USG series firewalls

Correct Answer: B
Section:

QUESTION 11
The description of the dual-border and WAC interconnection design of the campus distributed gateway is incorrect ()

A. In the overlay interconnection solution, it is recommended to run the VRRP VRRP virtual address between the two borders as the gateway for wireless users
B. During wireless centralized forwarding, the WAC and the border need to manage IP communication and service VLAN communication, that is, the underlay and overlay need to be connected.
C. During wireless local forwarding, only the management IP address needs to be communicated between the WAC and the border, that is, the underlay is connected.
D. Supported networking: WAC dual-node hot standby (VRRP dual-node hot standby or dual-link hot standby), and dual-border port sub-networking, recommended dual-node VRRP hot standby: In multi-campus interconnection LAN-WAN convergence scenarios, refer to the following topology

Correct Answer: A
Section:

QUESTION 12
In the CloudCapmus solution, NETCONF/YANG does not support the management of Huawei devices

A. CloudEngine S series switches
B. CE series switches in data centers
C. WLAN AP
D. AR series routers
E. USG series firewalls

Correct Answer: B
Section:

QUESTION 13
AR series routers do not support any of the following deployment methods:

A. Register for the Inquiry Center

B. APP scan the code to start

C. DHCP Option

D. Email starting

Correct Answer: B
Section:

QUESTION 14
What kind of service nodes are not included in the cloud management platform controller cluster?

A. Data processing node FI

B. Authentication node ACA

C. Data acquisition node ACC

D. Register the inquiry center

E. Device management node ACM

Correct Answer: D
Section:

QUESTION 15
In the WLANR22 version, the description of air slice enhancement is incorrect ()

A. Different slots/sub-slots are used for uplink and downlink slices of the same AP.

B. The multimedia slice drainage scheme is SAC/DFI application identification ACL traffic identification.

C. The common slice drainage scheme is to use the IP layer DSCP to map to different queues.

D. The highly reliable slice drainage solution is ACL traffic identification

Correct Answer: A
Section:

QUESTION 16
In iMaster NCE-Campus V300R022C00, the function description of the distributed switch (remote module) scenario is incorrect ()

A. O&M capability: support restart operations on distributed switches: support reporting alarms for failed upgrade of distributed switches. Control capability: Configurations can be directly delivered to distributed switches (remote modules).

B. Control capability: support direct configuration delivery to distributed switches (remote modules).

C. Management capability: You can view the information of the distributed switch based on the central switch, including the ESN, model, online status, interface directly connected to the central switch, and the port list information of the distributed switch itself.

D. Monitoring capability: You can view the memory usage, storage space usage, and temperature of distributed switches, as well as the running status, rate, flow rate, packet statistics, and bandwidth utilization of distributed switch ports.

Correct Answer: B
Section:

QUESTION 17
iMaster NCE-Campus V300R022C00 version, the difference between V5 and Spruce is incorrect.

A. Monitoring: V5 is based on http 2.0 channel, and Spruce is based on telemetry channel (GRPC). O&M: Based on the SSH channel, V5 is different from Spruce.

B. O&M: Based on the SSH channel, V5 is different from Spruce.

C. Acceptance: Based on the netconf channel, V5 is no different from Spruce.

D. Configuration/alarm: Carried on the netconf channel, the yang model is different, and the spruce adopts the yang 2.0 model.

Correct Answer: B
Section:

QUESTION 18
The following () is not a fusion component of NCEIP?

A. AC-WAN

B. ESIGHT

C. U2000

D. uTraffic

Correct Answer: B
Section:

QUESTION 19
In NCE-IP deployment, which of the following licenses can be optionally loaded ()

A. Load the FI license

B. Load the NCE license

C. Load the FC license (virtual machine) license

Correct Answer: A
Section:

QUESTION 20
In the SDN-WAN solution, the principles that need to be followed in the design of ISIS Cost are incorrectly described ()

A. The COST configuration of the MSTP link of the remote operator is larger, and it is recommended to configure 1000 to avoid traffic bypassing through the WAN link - the test is wrong

B. The COST configuration of the link of WDM or bare fiber in the same city is the second smallest, and it is recommended to configure 200 to ensure that the route calculation is secondary to the same city link

C. The COST value of the local link is the smallest, and it is recommended to configure 10 to ensure that the route calculation gives priority to the local link test error

D. The link cost between the RR and the PE is extra-large, and it is recommended to set 10,000 to ensure that the RR device is only responsible for control plane route reflection and does not forward traffic

Correct Answer: D
Section:

QUESTION 21
When doing BGP design in SDN-WAN, it is recommended to divide devices with the same configuration into the same group to simplify configuration and maintenance.

A. All backbones P(P) 1 group

B. 1 GROUP OF PE (BR-PE) in all branches

C. 1 GROUP OF PE (DC-PE) for all data centers

D. 1 group for all RR devices (RR).

Correct Answer: A
Section:

QUESTION 22
IN QOS DESIGN, THE DESCRIPTION OF THE DESIGN PRINCIPLES OF TRAFFIC SCHEDULING IS INCORRECT ()

A. Maintain the principle of uniformity in the scheduling strategy of the whole network, and use templated deployment as much as possible to facilitate network management

B. LPQ/WFQ scheduling strategies can be used to avoid low-priority services not being able to obtain bandwidth resources

C. The current QoS policy needs to take into account the subsequent expansion of the network

D. Core services and video-voice services should ensure the absolute priority of forwarding and use PQ scheduling

E. Unless the business has special requirements, some parameters of the scheduling policy should be defaulted as much as possible

F. For TCP-based services, the queue must be configured with WRED dropping to avoid TCP global synchronization

Correct Answer: B
Section:

QUESTION 23
Ethernet Segment Route(Type4)

A. Multicast tunnel endpoint auto-discovery & multicast type auto-discovery

B. Elastic search for ES members

C. IPPrefix announcement

D. MAC address learning Xi notice

Correct Answer: B
Section:

QUESTION 24
segment-routing ipv6 encapsulation source-address 1::1 locator SRv6_locator ipv6-prefix A1::64 static 32 static function allocation range is ()

A. A1::1-A1::FFFF:FFFF

B. A1::1-A1:-FFFF

C. A1:1-A1.. FFFF:FFFF:FFF

D. A1::1:0:0-A1::FFFF:FFFF:FFFF:FFFF

Correct Answer: A
Section:

QUESTION 25
Regarding the description of the design principles of Locator SID, it is incorrect ()

A. For the Locator CIDR block planning of SRv6, the appropriate mask should be set according to the number of IPv6 SIDs that may be used by the device.

B. loatos svV6_locator ipu6-prelix21. DB8ABCD: .b4 static 32, Locator is 2001.DB8.ABCD:, length 64 bits, static segment occupies 32 bits, dynamic segment occupies 32 bits args field occupies O bits. The starting value of the

state segment is: 2001:DB8:ABCD:0000:0000:0000:C

C. Locator SID supports static configuration or dynamic allocation, end-op and end-m must be statically configured, and static configuration is also recommended for end and end.x, which is convenient for network O&M. Other SIDs can be assigned dynamically.

D. Devices at the same site belong to the same large network segment with the same prefix, and different devices are assigned to the small network segment with the same prefix in the large network segment.

Correct Answer: B
Section:

QUESTION 26
Regarding the behavior of END, the wrong statement is ()

A. end. DT4: EVPN VPLS unicast meteor

B. end.dx2: the L2AC interface used to divert traffic to the egress PE

C. end. X SID: A link used to direct traffic to a specific node

D. end SID: Redirects traffic to nodes based on the IP routing table

Correct Answer: A
Section:

QUESTION 27
The source of policy generation does not include ()

A. IGP

B. CLI/Netconf/yang

C. BGP

D. PCEP

Correct Answer: A
Section:

QUESTION 28
The opcode parameter description in SRv6 basic data plan is incorrect ()

A. The static Opcode needs to be configured within the static segment range to prevent conflicts with the Opcode dynamically allocated by the IGP protocol. The static segment length range is determined by the static static-length parameter of the locator command.

B. end-op, and end-m need to be statically configured

C. end, end-x, end-dt4, end-dt6, and end-dx2 can be dynamically assigned or statically configured

D. The SRv6SID format is Locator:Function:Args, where the Args field is also called Opcode

Correct Answer: D
Section:

QUESTION 29
The maximum MCS supported by WIFI6 is:

A. MCS7

B. MCS9

C. MCS11

D. MCS13

Correct Answer: A
Section:

QUESTION 30
Which stage is immediately followed by the association stage in the STA access process?

A. Scan phase (SCAN)

B. Link Authentication

C. Access authentication

D. Key negotiation

Correct Answer: C
Section:

QUESTION 31
The following are not the characteristics of CloudCampus's cloud management solution

A. Rapid deployment, which can support plug-and-play of tenant devices

B. Remote O&M can be achieved through the NETCONF protocol

C. In the solution, the NCE platform can provide API interfaces to connect with upper-layer applications

D. You cannot switch between the local management mode and the cloud management mode of Huawei devices

Correct Answer: D
Section:

QUESTION 32
The following scenarios in the CloudCampus solution do not belong to external network interconnection:

A. L3 shared exit

B. L3 exclusive export

C. Shared export

D. L2 exclusive export

Correct Answer: D
Section:

QUESTION 33
In the CloudCampus APP, a maximum of () images can be uploaded to a survey site

A. 1

B. 2

C. 3

D. 4

Correct Answer: C
Section:

QUESTION 34
Configure the main interface of the translation tool, and some lines are marked with different background colors for the purpose of ()

A. The relocation is too boring, and the interface is too monotonous, purely for decoration and good looks
B. Remind users of the points that need special attention, such as: those that need to be manually confirmed and processed, and those that can be discarded
C. In order to export the configuration, the configuration does not have the background color everywhere when exporting the configuration
D. It has no practical effect

Correct Answer: B
Section:

QUESTION 35
Regarding planning and design tools, the following statements are wrong

A. The planning and design tool is used for after-sales planning and cannot be used before sales
B. When the equipment model cannot be used, you can feedback it in the tool platform
C. The tool can ensure the logical consistency and data consistency of the design
D. In the case of large or frequent changes in the network, the old project can be retained and the new project can be designed

Correct Answer: A
Section:

QUESTION 36
iMaster NCE-Campus is deployed in a virtualized environment based on Taishan's physical server, and the corresponding virtualization software is:

A. FusionCompute8.0
B. FusionCompute6.5.1
C. VNWare vSphere
D. FusionInsight

Correct Answer: A
Section:

QUESTION 37
For the sake of WLAN security, if the customer wants to manage the WLAN data in a unified manner, the customer can choose which of the following networking methods:

A. AC side-attached data is forwarded directly
B. AC side-attached data tunnel forwarding
C. Layer 3 networking data is forwarded directly
D. Layer 2 networking data is forwarded directly

Correct Answer: B
Section:

QUESTION 38
In the multi-campus interconnection LAN-WAN convergence scenario, refer to the following topology [Campus topology-8 [The description of the design and deployment of the dual-gateway Interlink solution is incorrect ()

A. Synchronize information between dual-gateway devices through the interlink control sub-interface, such as the synchronization and backup of application recognition results, overlay connection information, and connection quality information. Interlink serves as a dual-gateway device interconnection interface that forwards inter-device (VPN) traffic through sub-interfaces.

B. Interlink serves as a dual-gateway device interconnection interface, providing forwarding of inter-device service (VPN) traffic through sub-interfaces.

C. Interlink can be interconnected with a direct link, and when the site service traffic is large and the CPE port resources are sufficient, it is recommended that Interlink use an Eth-trunk link. Interlink cannot borrow Layer 2 service interfaces on the CPELAN side.

D. Interlink cannot borrow the Layer 2 service interface on the CPE LAN side

Correct Answer: D
Section:

QUESTION 39
The virtualization scenario network architecture has multiple node roles, which of the following nodes can be used as both L2 gateway and L3 gateway?

A. Router Node

B. FW Node

C. Border Node

D. Edge Node

Correct Answer: D
Section:

QUESTION 40
In the southbound protocol of the controller, the () protocol is the LSP communication protocol between the NCE and the PCC, the PCC reports LSP status information to the NCE, and the NCE notifies the PCC to update the tunnel LSP.

A. PCEP

B. Netconf

C. BGP-LS

D. SNMP

Correct Answer: A
Section:

QUESTION 41
The following statements about MAC routing are incorrect ()

A. If the Flag value of the migration attribute in the MAC address route is 1, it indicates a static MAC address, and the static MAC address is preferred.

B. When a MAC address route is migrated, the large sequence number in the MAC migration attribute is preferred.

C. and MAC address routes are filled with two labels (that is, both mplslable1 and mplslable2 are valid in packets).

D. The Route Distinguisher value (RD value) of the MAC route is generated by the value configured by the evpn source-address

Correct Answer: D
Section:

QUESTION 42
Which of the following interface protocols is not required by the MPLS tuning solution ()

A. BGP-LS
B. Netstream
C. PCEP
D. Telemetry

Correct Answer: B
Section:

QUESTION 43
The following WLAN delivery policy is wrong ()

A. High-density venues: Huawei's original factory delivery or original factory supervision and delivery (CSP is the delivery entity, and Huawei provides engineering survey, planning, and installation training services)
B. Wireless backhaul: CSP delivery
C. Massive indoor/outdoor scattered sites: Demonstration sites (at least 5%) are delivered under the supervision of Huawei's original factory, and the rest of the sites are delivered by CSPs
D. Campus network: Huawei's original factory/CSP delivery

Correct Answer: B
Section:

QUESTION 44
Among the following devices, the wireless AP operating at 2.4GHz will not interfere with ()

A. Microwave oven
B. Bluetooth headset
C. Infrared sensor
D. Cordless phone working in the 2.4G frequency band

Correct Answer: C
Section: