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Vendor:Huawei

Exam Code:H31-611

Exam Name:HCNA - SDN(Huawei Certified Network Associate - SDN)

Version:Demo

QUESTION 1

The CE-SPUs of the CE12800 on an SDN network employs which of the following redundancy methods?

- A. 1:1
- B. 2+1
- C. 3+1
- D. 5+1

Correct Answer: A

QUESTION 2

In OSPF, which of the following statements is true within a given area (area A)?

- A. The LSA generated by each router is the same.
- B. The LSDB of area A of each router is the same.
- C. The shortest path tree calculated based on the LSDB of each router is the same.
- D. The route calculated based on each router's shortest path tree is the same.

Correct Answer: C

QUESTION 3

In the SDN architecture, which of the following belong to the application layer? (Choose all that apply.)

- A. OpenStack
- B. Third-party APP platform
- C. SNC
- D. NetMatrix

Correct Answer: CD

QUESTION 4

In the SDN RR+ solution, the AC can provide which of the following functions? (Choose all that apply.)

- A. Calculates optimal paths globally based on multiple constraints.
- B. Pre-defines BGP routing policies.

- C. Generates BGP routes/policies and applies them to devices.
- D. Manages topology and BGP relationships

Correct Answer: CD

QUESTION 5

Which of the following statements are true about NetStream packet formats? (Choose all that apply.)

- A. The V5 format does not support traffic aggregation, putting processing pressure on the NSC and NDA.
- B. The V8 format supports traffic aggregation, but can output only aggregated IPv4 traffic data.
- C. The V8 format is based on templates and can output both IPv4 and IPv6 traffic data.
- D. The V9 format can output IPv4, IPv6 and MPLS traffic data.

Correct Answer: AD

Reference: <https://support.huawei.com/enterprise/en/doc/EDOC1000088753?section=j00e>

QUESTION 6

Which of the following statements are true about the DIS in IS-IS? (Choose all that apply.)

- A. A DIS creates and updates pseudo nodes on a broadcast network.
- B. DIS election is unpredictable.
- C. When all IS priorities are the same within a LAN, the IS with the largest MAC address is elected as the DIS.
- D. DIS election on a broadcast network is held in preemption mode.

Correct Answer: AC

Reference: <https://support.huawei.com/enterprise/en/doc/EDOC1100055485/4110e8a/basic-protocols-ofis-is>

QUESTION 7

Currently, the packet forwarding efficiency of Layer 3 switches is greatly improved. Which of the following may be the cause?

- A. By using higher-performance hardware
- B. By using the "routing once and switching multiple times" forwarding technology
- C. By using packet-to-packet forwarding technology
- D. By dividing the VLAN to effectively suppress broadcast storms and save bandwidth and other system resource.

Correct Answer: D

QUESTION 8

Which of the following descriptions are true about SDN? (Choose all that apply.)

- A. SDN is OpenFlow.
- B. SDN supports forwarding-control separation.
- C. SDN provides programmable open interfaces.
- D. SDN is short for software-defined networking.

Correct Answer: BCD

QUESTION 9

Which of the following statements are true about OpenFlow interface information reporting? (Choose all that apply.)

- A. After the OpenFlow channel is successfully established, the controller actively queries port information from FPs.
- B. The controller sends Multipart Request messages to query port information.
- C. FPs respond with a Multipart Reply message for batch delivery of port information.
- D. When a port changes, the corresponding FP actively sends a Flow Mod message to report the port change information.

Correct Answer: AB

Reference: <https://support.huawei.com/enterprise/en/doc/EDOC1000102491?section=k007>

QUESTION 10

Regarding the CE series switches on an SDN network, which of the following statements are true about their application in data centers? (Choose all that apply.)

- A. A CE series switch can connect to a server as a TOR.
- B. The network between TORs and core switches must be an ECMP-enabled Layer 3 network.
- C. The network between TORs and core switches must be a Layer 2 network that runs MSTP to prevent loops.
- D. The network between TORs and core switches can be either a Layer 2 or a Layer 3 network.

Correct Answer: AD

QUESTION 11

In the SDN architecture, which of the following protocols is used for communication between the control layer and application layer?

- A. OpenFlow
- B. NETCONF
- C. RESTful
- D. NetStream

Correct Answer: A

Reference: <https://support.huawei.com/enterprise/en/doc/EDOC1000150290/8d15e063/overview-ofopenflow>

QUESTION 12

For a router that runs BGP4, which of the following statements is not true?

- A. When multiple paths exist, BGP4 selects the optimal path.
- B. BGP notifies the routes obtained from EBGP to all its BGP peers.
- C. BGP advertises to BGP peers only the routes it uses.
- D. BGP4 notifies the routes obtained from IBGP to all its BGP peers.

Correct Answer: B

Reference: <https://support.huawei.com/enterprise/en/doc/EDOC1100028526?section=j06yandtopicName=configuring-bgp4-load-balancing>