High-Performance Computing Data Communication

1. Which of the following statements is true about the multicast addresses used by OSPFv3? (Multiple choice)

A. All OSPF routers use FF02

B. DR router uses FF08

C. All OSPF routers use FF08

D. DR router uses FF02

Answer(s): A,D

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2. A company consists of a head office and two branch offices, and uses MPLS VPN technology to transmit private network routes. In the networking mode of HuB&Spok. Branches can only send and receive routes to and from the head office, and branches cannot directly send and receive routes to each other. In order to achieve the above requirements, which of the following schemes can the RT settings be? (Multiple choice)

A. Head Office: Import Target: 1:1; Export Target: 3:3. Branch 1: Import Target: 3:3; Export Target: 1:1. Branch 2: Import Target: 3:3; Export Target: 2:2.

B. Head Office: Import Target: 1:1, 2:2; Export Target: 3:3. Branch 1: Import Target: 3:3; Export Target: 1:1. Branch 2: Import Target: 3:3; Export Target: 2:2.

C. Head Office: Import Target: 12:3; Export Target: 3:12. Branch 1: Import Target: 3:12; Export Target: 12:3. Branch 2: Import Target: 3:12; Export Target: 12:3.

D. Head Office: Import Target: 2:2; Export Target: 3:3. Branch 1: Import Target: 3:3; Export Target: 1:1. Branch 2: Import Target: 3:3; Export Target: 2:2.

Answer(s): A,B

3. What are the discard policies not included in the congestion avoidance mechanism? (Multiple choice)

A. RED

B. WRED

C. WFQ

D. FIFO

Answer(s): C,D

4. What types of Link Types are included in the Router LSA in OSPF? (Multiple choice)

A. P-2-P

B. Vlink

C. StubNet

D. TransNet

Answer(s): A,B,C,D

5. Which of the following tools cannot be used to match BGP routing entries?

A. Community Filter

B. Advanced ACL

C. Basic ACL

D. IP Prefix List

Answer(s): B

6. MPLS is called multi-protocol label switching. Regarding the label description in MPLS, which of the following is correct? (Multiple choice)

A. The MPLS system has multiple label distribution protocols, such as LDP, which is a label distribution protocol.

B. The label is carried by the header of the MPLS packet and has global significance, that is, the label value of all routers cannot be repeated

C. The label is a fixed-length identifier with only local significance, which is used to uniquely identify the FEC to which a packet belongs

D. MPLS supports single-layer labels as well as multi-layer labels

Answer(s): A,C,D

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7. Deploying port isolation technology in Ethernet can realize Layer 2 intercommunication and Layer 3 isolation, making networking more flexible.

A. TRUE

B. FALSE

Answer(s): B

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8. In an MPLS domain, LSR can be divided into Ingress LSR, Transit LSR and Egress LSR according to the different processing methods of LSR for data. For the same FEC, a certain LSR can be the Ingress LSR of the FEC or the FEC Transit LSR.

A. TRUE

B. FALSE

Answer(s): B

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9. MTBF, MRRT and other indicators are used to describe which of the characteristics of the network?

A. Security

B. Availability

C. Economical

D. Extensibility

Answer(s): B

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10. When troubleshooting TELNET login failure, which step should be done first?

A. Check whether ACL is configured in the VTY user interface view on the device

B. Check whether the protocol configuration allowed for access in the VTY type user interface view is correct

C. Check whether the client can ping the server

D. Check whether the number of users logging in to the device has reached the upper limit

Answer(s): C

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11. An engineer uses two routers to test IPv6. He wants to realize the interconnection of IPv6 networks by running OSPFv3. About the OSPFv3 related configuration that needs to be done on R1

A. [R1-ospfv3-1] router-id 10.1.1.1

B. [R1-ospfv3-1-area-0.0.0.0] network 2001

C. [R1-GigabitE thernet0\/0\/1] ospfv3 1 area 0

D. [R1] router id 10.1.1.1

Answer(s): A,C

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12. Which of the following descriptions about the terminal security management features of Agile Controller is correct? (Multiple choice)

A. The endpoint security client checks endpoints according to the assigned security policy. After the check is passed, the server can notify the admission control device to open network permissions to the terminal. If the check fails, the terminal can be isolated and repaired

B. Can control illegal web access

C. Centrally configure and distribute policies to lower-level terminal security management servers through the MC management center

D. If the endpoint does not comply with corporate security policy. Users often want to provide automatic repair functions. Now, automatic repair of non-compliance status has been fully realized. Users only need to click the mouse to achieve one-key repair in the shortest time.

Answer(s): A,B,C,D

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13. Configure ipv6 preference in IS-IS protocol view. The function of this command is to configure the priority of IPv6 routes generated by IS-IS protocol.

A. TRUE

B. FALSE

Answer(s): A

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14. The default MPLS label publishing mode, label distribution control mode and label retention mode of Huawei routers are:

A. Label release method free method, label distribution control method independent method, label retention method downstream independent method

B. Label release method downstream independent method, label distribution control method independent method, label retention methodm free method

C. Label release method downstream independent method, the label distribution control method free method, the label retention method independent method.

D. Independent method of label release method, free method of label distribution control method, and downstream independent method of label retention method

Answer(s): B

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15. As shown in the figure, configure a backhaul summary route 10.0.0.0/24 on border route R1.

A. Configuring black hole routing can solve the routing black hole problem

B. Routing black hole has no effect on the network and can be ignored

C. Precise routing summary can avoid routing black hole

D. If the terminal in the network sends data packets to the network segment that does not appear on the internal network, a loop will occur

Answer(s): A,C,D

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16. DHCP Server is the DHCP server, which is responsible for allocating IP addresses of clients. When configuring DHCP Servert, which of the following steps need to be included? (Multiple choice)

A. When using the DHCP server mode of the port address pool, configure the port address pool

B. When using the DHCP server mode of the global address pool, configure the global address pool

C. Globally enable the DHCP function

D. Configure the option82 option of DHCP

Answer(s): A,B,C

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17. What conditions must eSight meet to receive and manage device and report alarms? (Multiple choice)

A. The network management and equipment should be connected

B. The correct trap parameters are configured on the device side

C. The device is managed by the network management

D. The managed devices on the network management should be configured with the correct SNMP protocol and parameters

Answer(s): A,B,C,D

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18. What can we infer from this graph? (Multiple choice)

A. In a level-2 network, there are a total of 8 routers

B. R1 only has level-2 link state information

C. R1 has both level-1 and level-2 link status information

D. The system-ID of R1 is ee8c.a0c2.bafl

Answer(s): B,D

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19. Through the VLAN aggregation technology, one Sub-VLAN can correspond to multiple broadcast domains, which improves the flexibility of addressing.

A. TRUE

B. FALSE

Answer(s): B

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20. As shown in the figure, a sham link is established between PE1 and PE2 through the LoopBack0 interface. CE2 can learn the route of network segment 192.168.1.0/24 (the direct route on CE1) through the sham link and the backdoor link. If the default configuration is maintained, the cost of the route from CE2 to network segment 192.168.1.0/24 should be ( ). (Please fill in the Arabic numerals directly, without symbols)

A. 4

Answer(s): A