Huawei Certified Network Engineer

1. Which of the following advanced features does BGP EVPN support?

☐ A. ARP broadcast suppression

☐ B. VRRP over VXL AN

☐ C. Multi-active gateway

☐ D. VXL AN Qos

Answer(s): A B C D

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2. Which of the following statements about VXLAN packets is correct?

☐ A. The outer destination IP address is VXLAIP address of the remote VTEP of the N tunnel

☐ B. The source UDP port number is 4789

☐ C. PurposeUDP port number is 4789

☐ D. VNI has 24 bits for distinguishing VLAN segments

Answer(s): A C D

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3. BGP EVPNWhich of the following types of packets are required to implement virtual machine migration in a distributed gateway scenario?

A. Type5

B. Type4

C. Type1

D. Type2

E. Type3

Answer(s): D

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4. Which of the following statements about the BFD single-arm echo function is correct

☐ A. BFDThe one-arm echo function must configure the local identifier and the terminal identifier

☐ B. BPThe default destination IP address of the protocol packet of the D one-arm echo is 224.0.0.184

☐ C. BAfter the FD one-arm echo function is enabled, the destination IP and source IP of BFD packets are the same

☐ D. BFDThe one-arm echo function is suitable for scenarios where one device supports BD and the other device does not.

Answer(s): C D

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5. Which of the following statements about the VRRP protocol is correct?

A. Both VRRPv2 and VRRPv3 support authentication

B. VRRPv3 does not support the authentication function, while VRRPv2 supports the authentication function.

C. VRRPv2 is only applicable to IPv4 networks, and VRRPv3 is only applicable to IPv6 networks.

D. Masterr The owner of the IP address VThe RP priority is 255, so the configurable priority range is 0-254

Answer(s): B

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6. HW users are transferring a very large number of files via TFTP.
What protocol does TFTP rely on for transmission?

A. ICMP and UDP

B. IP and TCP

C. UDP

E. FTP

Answer(s): C

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7. Bandwidth parameters need to be configured when deploying LLQ.
What is the significance of the bandwidth parameters?

A. Provides a built-in policer to limit the maximum available bandwidth for low-latency queues during times of congestion

B. This parameter should be as small as possible. It means that the bandwidth is always reserved, even if LLQ is used, this parameter will reduce the available bandwidth of the interface

C. It means reference CIR to calculate burst size of built-in policer token bucket

D. This parameter is optional because LLQ always takes precedence over other queues

Answer(s): A

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8. Assuming that the shaping rate of a port is 100Mbps, the input bandwidth of each service on the interface and the PIR of the IP configuration are as follows: After the first round of scheduling, what is the bandwidth allocated by the EF queue?

假设某端口整形速率为100Mbps，该接口各业务的输入带宽
那么经过第一轮调度，EF队列分配的带宽为多少？

| Queue type	Scheduling type	input bandwidth
CS7	PQ	15M
CS6	PQ	30M
EF	WFQ, Weight=5	90M
AF4	WFQ, Weight=4	10M
AF3	WFQ, Weight=3	10M
AF2	WFQ, Weight=2	20M
AF1	WFQ, Weight=1	20M
BE	LPQ	100M

A. 30M

B. 15M

C. 90M

D. 25M

Answer(s): D

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9. As shown in the figure, there are two IPv6 networks that can access the IPv4 network. At the same time, an IPSec tunnel needs to be established between the two IPv6 networks for communication.Which of the following packaging modes can meet the above requirements?
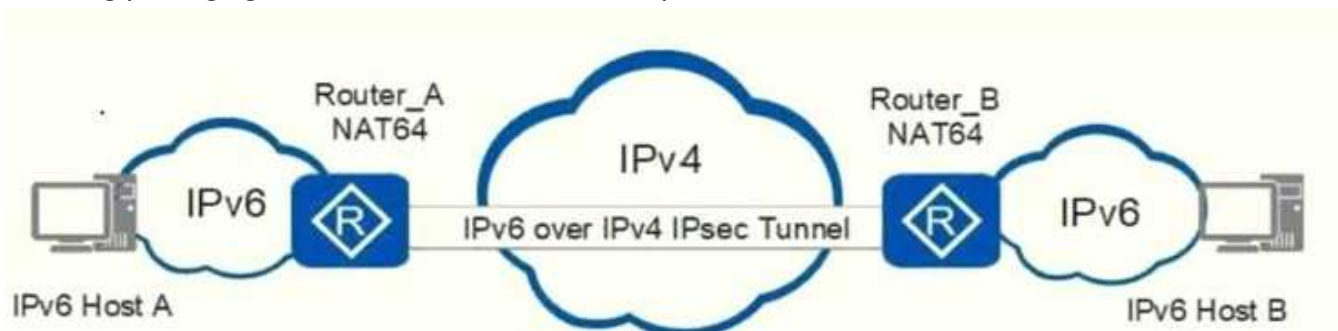
A. ESP+tunnel mode

B. AH+ transmission mode

C. AH+tunnel mode

D. None of the above options are correct

Answer(s): D

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10. A digital certificate does not contain which of the following?

A. digital envelope

B. Issuer

C. digital signature

D. public key information

11. LANDThe attack method is that the attacker sends a source address to the target host and the destination address is the target host, and the source port and the destination port are the same.
When the receiving end is waiting for the final ACK packet to be sent, the connection is always in a semi-connected state, resulting in a waste of receiving full and limited TCP resources.

A. True

B. False

12. Which of the following statements about SA in IPSec is wrong is

A. SA is uniquely identified by a triple, This triplet includes the security parameter prime SPI (Security Parate Inder), the source IP address and the security protocol number used (AsESP)

B. use display The ipsec command can check the encryption algorithm used with another IPSec peer, the traffic of interest and other information.

C. IPSec only supports symmetric encryption algorithms to encrypt data.

D. Bidirectional SAs must exist between IPSec peers to establish IPSecc VPN connection

13. The router HW1 and the router HW2 are connected to the network A and the network B, respectively. As shown in the figure below, if you want to establish IPsec VPN between router HW1 and router HW2.
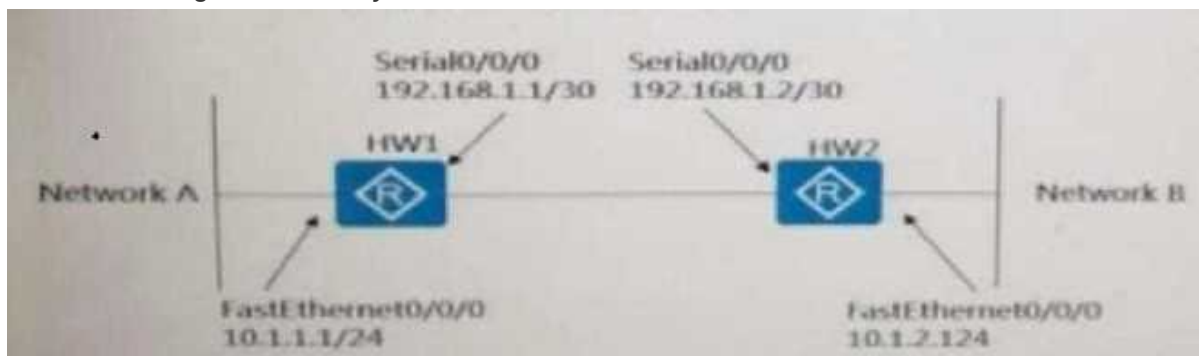
A. rule permit ip source 192.168.1.10 destination 192.168.1.2 0

B. rule permit ip source 10.1.1.0 0.0.0.255 destination 192.168.1.2 0

C. rule permit ip source 10.1.1.0 0.0.0 .255 destination 10.1.2.0 0.0.0.255

D. rule permit ip source 192 .168.1.10 destination 10.1.2.0 0.0.0.255

E. rule permit ip source 10.1.2.0 0.0.0 255 destination 10.1.1.0 0.0.0.255

Answer(s): C

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14. Which of the following options describes the assertion mechanism correctly?

A. The size of the IP address will not be used as a condition for the election of the winner.

B. In assertion mechanismThe winner is responsible for forwarding multicast data to the broadcast network segment.

C. The assertion mechanism is used for DR election.

D. In the assertion mechanism, the loser will shut down is the interface connected to the broadcast network.

Answer(s): B

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15. If there are multiple receivers in a multicast group, the administrator enables IGM on the switch connecting the receiversP Snooping function, when the receiver changes from When the switch receives the general group query message from the querier, how should multiple receivers respond?

A. The first receiver whose response time times out is sentReport messages are not sent by other receivers.

B. Only run ICMPv2, all receivers will respond to the Report message.

C. Only when IGMPvI is running will all receivers respondReport message.

D. All recipients will respondReport message

Answer(s): D

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16. If PIM-SM is run in a multicast network, a multicast forwarding tree needs to be built between the multicast source and the receiver so that the receiver can receive the multicastvalid data, which of the following options are correct for the built tree tracing?

☐ A. multicast source andThe SPT tree is constructed between RPs

☐ B. The RPT tree is constructed between the RP and the receiver

☐ C. multicast source andThe RPT tree is constructed between RPs

☐ D. The SPT tree is constructed between the RP and the receiver

Answer(s): A B

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17. Below about BSK/Is the description of the RP mechanism correct?

☐ A. PIM- There can be multiple C-BSRs in the SM domain, but only one BSR can be elected

☐ B. BSR collects C-RP information from received C-RP packets

☐ C. BSR floods the PIM with Bootstrap packets All routers in the SM domain advertise BSR information andC-RP information

☐ D. OneC-BSR can also collect C-RP information from received C-RP packets

Answer(s): A B C

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18. Which of the following statements about LDP reliability is incorrect?

A. LDP GR (Graceful Restart) utilizes the feature that the forwarding plane and the control plane of the LS are high, and realizes the switchover of the device during protocol restart or active/standby switchover.uninterrupted

B. By default, the manually configured LDP FRR policy is a 32-bit backup route that triggers LDP to establish a backup LSP.

C. by LDP FRR can also generate LSPs for label mappings from non-optimal next hops, and create forwarding entries as backups of the primary LSPs

D. LDP and IGP are associated with each other, and the IGP needs to suppress the advertisement of routes to ensure that the LDP and LGP paths are consistent.

Answer(s): B

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19. Which of the following descriptions about the LDP session establishment process is correct? (multiple choice)

A. When both parties receive the Keepalive message from the peer, LThe DP session is established successfully.

B. LThe hello message discovered by DP neighbors uses TCP packets, and the destination address is the multicast address 224.0.0.2.

C. TCPAfter the connection is established successfully, the active party sends an initialization message to negotiate the relevant parameters for establishing an LDP session.

D. The party with the larger transport address, as the active party, initiates the establishment of a TCP connection.

Answer(s): A C D

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20. RD is used to distinguish the same IP address in different VPNs. How many bits does RD contain?

A. 64

B. 32

C. 16

D. 128

Answer(s): A