

Huawei

H12-222 Exam

Huawei Certified Network Professional-R&S-IENP Exam

Product Questions: 287

Version: 8.0

Question: 1

A flow mirroring port can transmit the specified service flows on the mirroring port to the monitoring device for analysis and monitoring.

- A. TRUE
- B. FALSE

Answer: A

Question: 2

In peer-to-peer VPN model, which of the following devices is directly connected to a client and is responsible for connecting VPN services to the carrier network?

- A. CE
- B. PE
- C. P
- D. Client device

Answer: B

Question: 3

QoS provides different service quality to meet a variety of different needs. Which of following functions are provided by the QoS? (Multiple Choice)

- A. Provide dedicated bandwidth.
- B. Reduce the packet loss ratio.
- C. Prevent and manage network congestion.
- D. Setting the source address of packets.

Answer: ABC

Question: 4

Which IP precedence value represents the critical service traffic?

- A. 0
- B. 2
- C. 5
- D. 6

Answer: C

Question: 5

What about all outgoing labels in the label forwarding table of a MPLS-capable device for the same route with the same next hop?

- A. They must be different.
- B. They must be the same.
- C. They may be the same.

Answer: B

Question: 6

How is traffic classification classified based on reference different information of rules? (Multiple Choice)

- A. Simple traffic classification
- B. Complex traffic classification
- C. On-demand classification
- D. Service traffic classification

Answer: AB

Question: 7

Which of the following command is used to configure the listening address of the SDN controller?

- A. openflow listening-ip 1.1.1.1
- B. sdn controller source-address 1.1.1.1
- C. controller-ip 1.1.1.1
- D. sdn listening-ip 1.1.1.1

Answer: A

Question: 8

Which of the following statements regarding the firewall zone is true?

- A. Different zones of Firewall can use the same priority.
- B. A firewall interface can belong to different zones.
- C. Different firewall interfaces can belong to the same zone.
- D. The default firewall zone can be deleted.

Answer: C

Question: 9

eSight single-server mode allows login of only one user. If another user logs in, the system displays a message indicating that a user is online currently.

- A. TRUE
- B. FALSE

Answer: B

Question: 10

Which of the following are highlights of the Service Chain component of the Agile Controller?
(Multiple Choice)

- A. Services are orchestrated based on the Layer 3 GRE tunnels and service devices can be deployed flexibly.
- B. Service orchestration operations are visualized in the topology, simplifying the configuration and management.
- C. Adding or deleting service devices does not change the physical topology of the live network and existing routes.
- D. Services are orchestrated automatically, without the need for manual maintenance.

Answer: ABC

Question: 11

Which of the following statements regarding Agile Controller guest account application mode is false?

- A. Created by the administrator
- B. Created by employees with guest management rights
- C. Created by the receptionist
- D. Registered by guests

Answer: C

Question: 12

Which of the following statements regarding the trusted and untrusted zones are true? (Multiple Choice)

- A. The direction for the access from the trusted zone to the untrusted zone is the outbound direction.
- B. The direction for the access from the trusted zone to the untrusted zone is the inbound direction.
- C. The security level of the trusted zone is 85.
- D. The security level of the untrusted zone is 50.

Answer: AC

Question: 13

MPLS is a label forwarding technology, Which of the following MPLS statements is false?

- A. MPLS uses the connection-oriented control plane and connectionless data plane.
- B. The control plane transmits route information and distributes labels. The data plane transmits packets along the created label switched path (LSP).
- C. Switches in an MPLS domain only need to forward packets based on the label added before the IP header.
- D. Compared with traditional IP forwarding, MPLS label forwarding greatly improves the data forwarding efficiency.

Answer: A

Question: 14

Which information of IPv4 packets is used for simple traffic classification? (Multiple Choice)

- A. DSCP information
- B. IP precedence
- C. Traffic class information
- D. 802.1p information

Answer: AB

Question: 15

The interface IP address and VRRP virtual IP address can be the same.

- A. TRUE
- B. FALSE

Answer: A

Question: 16

NFV and SDN depend on each other and must be used together.

- A. TRUE
- B. FALSE

Answer: B

Question: 17

Which of the following methods can be used to improve network QoS? (Multiple Choice)

- A. Increasing link bandwidth
- B. Using proper queue scheduling and congestion avoidance mechanisms
- C. Using high-performance devices
- D. Provide services at different times for different business

Answer: ABC

Question: 18

In the port mirroring, real and reliable data must be collected in real time.

- A. TRUE
- B. FALSE

Answer: A

Question: 19

SDN technology advocate layered open architecture, then which organization advocate and defines the centralized architecture and OpenFlow?

- A. ONF
- B. IETF
- C. ETSI
- D. ITU

Answer: A

Question: 20

What are the prerequisites for eSight to receive and manage alarms reported by devices? (Multiple Choice)

- A. The devices are managed by eSight.
- B. Trap parameters have been correctly configured on the devices.
- C. The SNMP protocol and parameters are correctly configured for managed devices on eSight.
- D. There are reachable routes between eSight and devices.

Answer: ABCD

Question: 21

The Agile Controller is an automated control system for network resources. It provides a unified policy engine to realize unified access control policies within the entire organization, and implements 5W1H-based (user identity, access time, access location, device type, device source, and access mode) authentication and authorization.

- A. TRUE
- B. FALSE

Answer: A

Question: 22

Compared with traffic policing, traffic shaping uses queues to cache the traffic that exceeds the limit. Which of the following statements regarding traffic shaping is false?

- A. Compared with traffic policing, traffic shaping has good anti-burst capability.
- B. Traffic shaping enables packets to be transmitted at an even rate.
- C. Because queues are used, the delay is added when congestion occurs.
- D. Compared with traffic policing, traffic shaping is more suitable for voice services.

Answer: D

Question: 23

Which of the following statements regarding RT are true? (Multiple Choice)

- A. Each VPN instance is associated with one or more pairs of VPN Target attribute, used to control VPN routing information advertisement and reception between sites.
- B. Ts are classified into two types: Export Target and Import Target.

- C. Export Target and Import Target are independent from each other and support multiple values to implement flexible VPN access control.
- D. The RT value is advertised to neighbors through the BGP extended community attribute in Update messages.

Answer: ABCD

Question: 24

MPLS VPN is used to solve some limitations of traditional VPN technology. Which are the major limitation that MPLS VPN solves?

- A. Private routes cannot communicate with each other.
- B. Leased lines are expensive.
- C. Bandwidth resources cannot be fully used.
- D. The address space is overlapping.

Answer: D

Question: 25

Which of the following statements regarding Free Mobility of the Agile Controller are true? (Multiple Choice)

- A. When administrators configure Free Mobility, they need to select proper authentication points and policy execution points.
- B. In the Free Mobility, Administrators can add static network segments or server resources to security groups, and manually bind their IP addresses to the security groups.
- C. Free Mobility uses a configuration matrix to define access permissions between two security groups such as users and servers.
- D. Free Mobility defines higher forwarding priorities for the VIP user group to ensure their network experience.

Answer: ACD

Question: 26

At which layer does a packet filtering firewall check data packets?

- A. Application layer
- B. Physical layer
- C. Network layer
- D. Link layer

Answer: C

Question: 27

Besides resource discovery, allocation, and management, which function else does the VIM management module of NFV provide?

- A. Resource scheduling
- B. Resource monitoring
- C. Resource reclaiming
- D. Troubleshooting

Answer: D

Question: 28

What are differences between the DiffServ and IntServ models? (Multiple Choice)

- A. The DiffServ model provides different services destined for different destinations.
- B. The DiffServ model provides different services destined for different sources,
- C. The DiffServ model does not need to maintain the status of each flow.
- D. The DiffServ model applies to large-scale backbone networks.

Answer: CD

Question: 29

In TCP/IPv4, what are potential security threats? (Multiple Choice)

- A. There is no data source verification mechanism.
- B. There is no data packet acknowledgement mechanism.
- C. There is no data integrity verification mechanism.
- D. There is no confidentiality guarantee mechanism.

Answer: ACD

Question: 30

MPLS technology replaces IP forwarding with label switching. Which of the following encapsulation modes is used when MPLS runs on Ethernet networks?

- A. Packet mode
- B. Frame mode
- C. Transport mode
- D. Channel mode
- E. Pipe mode

Answer: B

Question: 31

A DHCP server provides different address allocation modes to meet various application requirements. Which address allocation mode can be used to allocate an IP address to a host requiring temporary network access or allocate a group of limited IP addresses that can be shared by a group of temporary hosts?

- A. Automatic allocation
- B. Dynamic allocation
- C. Manual allocation
- D. Manual or dynamic allocation

Answer: B

Question: 32

How is CAPEX defined?

- A. Cost expenditure
- B. Capital expenditure
- C. One-time expenditure
- D. Daily expenditure

Answer: B

Question: 33

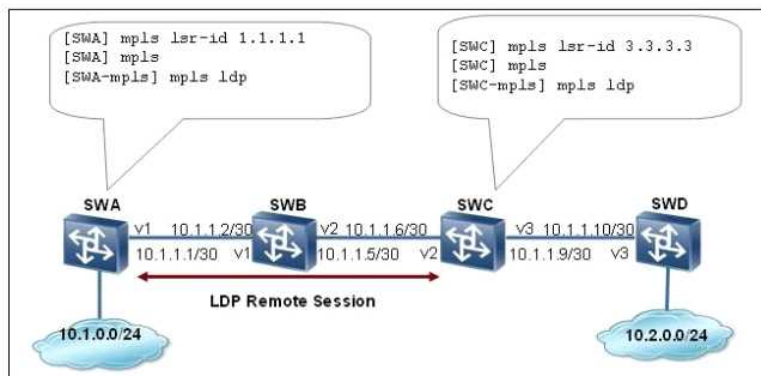
If two interfaces are assigned to the same zone, data flows between the two interfaces also must be handled by the interzone packet filtering process.

- A. TRUE
- B. FALSE

Answer: A

Question: 34

On the network shown in the following figure, a remote LDP session needs to be established between SWA and SWC. Which of the following statements is true?



- A. The existing configuration is correct.
- B. You need to configure the directly-connected interfaces between SWA and SWC to set up TCP connections.
- C. You need to create a remote peer and specify an LSR ID for the remote peer.
- D. You need to specify the LSR ID of the remote peer in the system view.

Answer: C

Question: 35

Which are the Agile Controller functional components? (Multiple Choice)

- A. Free Mobility
- B. Service Chain
- C. Access Control
- D. United Security
- E. Ubiquitous Resources

Answer: ABCD

Question: 36

Which command is used to enable association between BFD and static default route?

- A. ip route-static 0.0.0.0 0.0.0.0 10.0.12.2 bfd-session 1
- B. ip route-static 0.0.0.0 0.0.0.0 10.0.12.2 track bfd-session 1
- C. ip route-static 0.0.0.0 0.0.0.0 10.0.12.2 track 1
- D. ip route-static 0.0.0.0 0.0.0.0 10.0.12.2 track session 1

Answer: B

Question: 37

Among the BE service model, IntServ model, and DiffServ model, only the IntServ model and DiffServ model can provide multi-service QoS guarantee. During network construction, the network edge should use the IntServ model and the network core should use the DiffServ model.

- A. TRUE
- B. FALSE

Answer: B

Question: 38

During the DHCP interaction process, the DHCP server and client exchange various types of packets. Which of the following packets is not sent from the client to the server?

- A. DHCP NAK
- B. DHCP Request
- C. DHCP Discover
- D. DHCP Release

Answer: A

Question: 39

VXLAN is irrelevant to SDN technology.

- A. TRUE
- B. FALSE

Answer: A

Question: 40

On the USG series firewall, what is the security level of the DMZ?

- A. 5
- B. 50
- C. 85
- D. 100

Answer: B

Question: 41

Which of the following statements regarding MPLS label encapsulation format are true? (Multiple Choice)

- A. The total length of an MPLS label is 4 bytes (32 bits).
- B. The TTL field in an MPLS label has the same meaning as that in an IP packet, and can prevent loops.
- C. The S field in an MPLS label has 1 bit and is used to identify whether the label is the bottom-of-stack label. If the value is 1, the label is a penultimate-layer label.
- D. For Ethernet and PPP packets, a label stack is located between the Layer 2 packet header and data. If a VLAN tag is available, the label stack is placed before the VLAN tag.

Answer: AB

Question: 42

The DHCP protocol can allocate TCP/IP-related parameters to clients. DHCP defines multiple types of packets for this process. Which is the encapsulation mode for these packets?

- A. TCP encapsulation
- B. IP encapsulation
- C. UDP encapsulation
- D. PPP encapsulation

Answer: C

Question: 43

If the DSCP priority (leftmost 6 bits of the ToS field) is used, how many types of packets can be classified?

- A. 8
- B. 16
- C. 32
- D. 64

Answer: D

Question: 44

The stateful inspection firewall uses the session table to trace activated TCP and UDP sessions, firewall security policies determine which sessions are established, and only the packets associated

with sessions are forwarded.

- A. TRUE
- B. FALSE

Answer: A

Question: 45

What about incoming labels and outgoing labels in the label forwarding table of a MPLS-capable device for the same route?

- A. They must be different.
- B. They must be the same.
- C. They may be the same.

Answer: C

Question: 46

When BFD detection intervals at both ends are 30ms and 40ms. Which of the following statement is true?

- A. A BFD session can be set up. After the negotiation, the detection interval of 40ms is used.
- B. A BFD session can be set up. After the negotiation, the detection interval of 30ms is used.
- C. A BFD session can be set up, and packets are sent at respective intervals at both ends.
- D. A BFD session cannot be established.

Answer: A

Question: 47

Which of the following statements regarding different types of firewalls is false?

- A. The packet filtering firewall checks each data packet against ACL rules.
- B. The stateful inspection firewall uses security policies to check only the first packet of non-matched sessions.
- C. The security policies in two directions need to be configured on the stateful inspection firewall.
- D. The proxy firewall processes services of users on internal and external networks.

Answer: C

Question: 48

Different VMs can communicate through VTEP tunnels established by vSwitches. So what is the VXLAN communication process?

1. The source VTEP encapsulates an ARP broadcast packet sent by a source VM into a multicast packet and sends it to the Layer 3 network.
2. After receiving the multicast packet, the destination VTEP learns the mapping relationship between the source VM and the source VTEP and forwards the multicast packet to a local VM.
3. The local VM unicasts a reply packet.
4. The destination VTEP encapsulates a VXLAN header to the packet, establishes a mapping table, and unicasts the encapsulated packet to the source VTEP through a VXLAN tunnel.
5. After receiving the packet, the source VTEP establishes a mapping relationship between the destination VM and the destination VTEP and forwards the packet to the source VM.
6. The source VM and destination VM can exchange unicast packets through the tunnel.

- A. 1-3-2-4-6-5
- B. 3-5-2-4-1-3
- C. 1-2-3-4-5-6
- D. 1-5-6-4-3-2

Answer: C

Question: 49

Which of the following values can be used to set security levels of user-defined zones of USG series firewalls? (Multiple Choice)

- A. 150
- B. 100
- C. 80
- D. 40

Answer: CD

Question: 50

In a MPLS VPN network, two-layer MPLS labels are added into data packets before they are transmitted over the public network. Which of the following statements regarding data packet processing are true? (Multiple Choice)

- A. The penultimate hop removes the outer label before forwarding the data packet to a peer PE.
- B. The IP data packet received by the peer PE does not carry labels.
- C. The penultimate hop removes the outer label if the outer label in the data packet is explicit null label 3.
- D. The peer PE sends the data packet to the correct VPN based on the inner label.

Answer: AD

Question: 51

What is the multicast destination address of VRRP packets?

- A. 224.0.0.18
- B. 224.0.0.20
- C. 224.0.1.18
- D. 224.0.1.20

Answer: A

Question: 52

In the SDN network architecture, which device is used to calculate the path and deliver the flow table?

- A. Application server
- B. Controller
- C. Orchestrator
- D. Device

Answer: B

Question: 53

LDP has two different mechanisms for discovering peers. Which of the following statements are true?

(Multiple Choice)

- A. The two mechanisms are basic discovery mechanism and extended discovery mechanism.
- B. The basic discovery mechanism periodically sends Hello messages to discover LDP peers.
- C. The basic discovery mechanism is used to discover directly-connected LSR peers on a link.
- D. The extended discovery mechanism periodically sends Hello messages to specified addresses to discover LDP peers.
- E. The extended discovery mechanism is used to discover indirectly-connected LSR peers on a link.

Answer: ABCE

Question: 54

Which of the following are the major objects of network management? (Multiple Choice)

- A. Ensure that network users can receive the expected service quality and technical support

information.

- B. Decrease device migration costs.
- C. Reduce the network device service life and extend the service period.
- D. Help network engineers copy with complex network data to ensure quick and correct data display to end users.

Answer: AD

Question: 55

Which of the following statements regarding the VRRP backup are true? (Multiple Choice)

- A. When the VRRP backup receives VRRP packet from the VRRP master, it can determine whether the master is in the normal state.
- B. When receiving VRRP packets with the priority of 0, the backup directly switches to be the master.
- C. The backup discards IP packets destined for the virtual MAC address.
- D. The backup responds to IP packets destined for the virtual IP address.

Answer: ABC

Question: 56

During BFD session establishment between devices, which state is not involved?

- A. 2-way
- B. down
- C. init
- D. up

Answer: A

Question: 57

What about all outgoing labels in the label forwarding table of a MPLS-capable device for different routes with the same next hop?

- A. They must be different.
- B. They must be the same.
- C. They may be the same.

Answer: A

Question: 58

When QoS is deployed on a network to improve the quality of some services, the quality of other services must deteriorate,

- A. TRUE
- B. FALSE

Answer: A

Question: 59

A DHCP server supports various types of address allocation policies to meet different requirements. Which of the following is not a correct address allocation policy?

- A. Automatic allocation
- B. Dynamic allocation
- C. Duplicated allocation
- D. Manual allocation

Answer: C

Question: 60

The session-based stateful detection firewall processes the first packet and subsequent packets in different manners. Which of the following statements are true? (Multiple Choice)

- A. When a packet reaches the firewall the firewall searches for a session table. If the packet does not match any entry, the firewall uses the process of the first packet.
- B. When a packet reaches the firewall, the firewall searches for a session table. If the packet matches an entry, the firewall uses the process of subsequent packets.
- C. When status detection is enabled, the firewall establishes sessions for only SYN packets during TCP packet processing.
- D. When status detection is enabled, the firewall checks subsequent packets against security policies.

Answer: ABC

Question: 61

How is NFV defined?

- A. Network infrastructure virtualization
- B. Network function virtualization
- C. Network bus virtualization
- D. Network architecture virtualization

Answer: B

Question: 62

Which are lower-layer physical devices of NFV framework? (Multiple Choice)

- A. Storage device
- B. Network device
- C. Server
- D. Air conditioning system

Answer: ABC

Question: 63

Assume that the bandwidths of flows a, b, c, and d are all 100 Mbit/s. The total interface bandwidth is 200 Mbit/s. When network congestion occurs, congestion management is required. If flows a, b, c, and d belong to WFQ queues and the weight ratio is 1:2:3:4, what are traffic volumes of the four flows?

- A. The bandwidths of flows a, b, c, and d are 20 Mbit/s, 40 Mbit/s, 60 Mbit/s, and 80 Mbit/s.
- B. The bandwidths of flows a, b, c, and d are 100 Mbit/s, 100 Mbit/s, 0 Mbit/s, and 0 Mbit/s.
- C. The bandwidths of flows a, b, c, and d are 80 Mbit/s, 60 Mbit/s, 40 Mbit/s, and 20 Mbit/s.
- D. All traffic is discarded due to congestion.

Answer: A

Question: 64

SDN and NFV are essentially the same concept and both define network function visualization.

- A. TRUE
- B. FALSE

Answer: B

Question: 65

A DHCP client needs to obtain an IP address from the DHCP server when accessing a network for the first time. When the client accesses the network again, which of the following statements are true?

(Multiple Choice)

- A. The DHCP client broadcasts a DHCP Discover packet. The DHCP server replies to the packet.
- B. The DHCP client only needs to broadcast a DHCP Request packet containing the IP address obtained last time, but does not need to send a DHCP Discover packet again.
- C. After receiving the DHCP Discover packet, the DHCP server sends a DHCP Offer packet containing the leased IP address and other settings to the DHCP client.
- D. After receiving the DHCP Request packet, the DHCP server returns a DHCP ACK packet if the requested IP address is not allocated to another client.

Answer: BD

Question: 66

Which of the following queue scheduling technologies is better in a fair manner?

- A. WFQ
- B. PQ
- C. FIFO
- D. RR

Answer: A

Question: 67

VXLAN technology is only used to build an inter-DC Layer 2 network.

- A. TRUE
- B. FALSE

Answer: B

Question: 68

MPLS is short for Multiprotocol Label Switching, so the core technology of MPLS is label switching.

- A. TRUE
- B. FALSE

Answer: A

Question: 69

Which of the following statements regarding MAC address spoofing attacks is false?

- A. Attackers initiate MAC address spoofing attacks using the MAC address learning mechanism.
- B. Attackers send data frames with forged MAC address to the switch to initiate MAC address spoofing attacks.
- C. When MAC address spoofing attacks occur, the switch may learn incorrect mapping between MAC addresses and IP addresses.
- D. When MAC address spoofing attacks occur, the switch may send packets to the attacker.

Answer: C

Question: 70

Complex traffic classification means that packets are classified based on the quintuple including the source and destination addresses, source and destination port numbers, and protocol type. It is usually deployed on the network core.

- A. TRUE
- B. FALSE

Answer: B

Question: 71

VXLAN users can access the Internet through VXLAN interfaces.

- A. TRUE
- B. FALSE

Answer: A

Question: 72

Flow mirroring is divided into local flow mirroring and remote flow mirroring.

- A. TRUE
- B. FALSE

Answer: A

Question: 73

For interzone packet filtering, which of following traffic is not transmitted in the outbound direction?

- A. Traffic from the DMZ to the untrusted zone
- B. Traffic from the trusted zone to the DMZ
- C. Traffic from the trusted zone to the untrusted zone
- D. Traffic from the trusted zone to the local zone

Answer: D

Question: 74

During configuration of the WRED drop profile, the lower drop threshold and upper drop threshold for AF21 traffic are 35 and 40, the lower drop threshold and upper drop threshold for AF22 traffic are 30 and 40, and the lower drop threshold and upper drop threshold for AF23 traffic are 25 and 40. The maximum drop probability for AF21, AF22, and AF23 traffic is 10%. Before congestion occurs, which type of traffic can obtain bandwidth guarantee?

- A. AF21
- B. AF22
- C. AF23
- D. AF21, AF22, and AF23 traffic

Answer: A

Question: 75

Which of the following statements regarding United Security of the Agile Controller are true? (Multiple Choice)

- A. Network devices, security devices, policy servers, and third-party systems can report network information and security logs.
- B. Network information and security logs are generated by customer devices.
- C. A switch can function as the policy execution device to respond to security events by executing security policies to restrict or block insecure access.
- D. The United Security component of the Agile Controller is responsible for log collection, processing, event association, security trend display, and security response.

Answer: ACD

Question: 76

The following describes the configuration on a PE. Which of the following statements is true?

```
ospf 600
 peer 1.1.1.1 as-number 100
 peer 1.1.1.1 connect-interface LoopBack0
=
ipv6-family unicast
 peer 1.1.1.1 enable
=
ipv6-family ipv6instance RP1
 peer 10.1.10.1 as-number 100
=
ipv6-family ipv6instance RP2
 peer 10.1.10.1 as-number 100
```

- A. The peer PE is in AS 500 and has an EBGP neighbor relationship with the local PE.
- B. The PE is connected to two CEs of the customer network. One is set to VPN1 and the other is set to VPN3.
- C. Two VPN clients connected to the PE use the BGP protocol to exchange routes with the PE.
- D. The local PE establishes a BGP peer relationship with the remote PE through a directly-connected interface.

Answer: C

Question: 77

LDP uses Discovery messages to discover neighbors through different neighbor discovery mechanisms. Which of the following statements regarding basic discovery mechanisms are true? (Multiple Choice)

- A. The destination IP address of the LDP Discovery message is the multicast IP address 224.0.0.2.
- B. The LDP Discovery message is sent to the specified LDP peer.
- C. The LSR does not send Hello messages any longer after TCP connections are established.
- D. The LDP Discovery message is encapsulated into a UDP packet and its destination port number is 646.

Answer: AD

Question: 78

MPLS can forward packets only after an LSP is established. Which of the following statements regarding static LSP establishment are true? (Multiple Choice)

- A. After a static LSP is established, each node on the LSP can detect the entire LSP.
- B. When MPLS is enabled on the outbound interface of the ingress node and the physical status and the protocol status of the outbound interface are Up, the static LSP is Up regardless of whether there is an egress node or a transit node.
- C. The transit node of a static LSP is configured and MPLS is enabled on both the inbound and outbound interfaces. If the physical status and the protocol status of the inbound and outbound interfaces are Up, the static LSP is Up.
- D. The egress node of the static LSP is configured and MPLS is enabled on the inbound interface. If the physical status and the protocol status of the inbound interface are Up, the static LSP is Up regardless of whether there is an ingress node or a transit node.

Answer: CD

Question: 79

The traditional tail drop method is used for packet loss, which causes global TCP synchronization.

- A. TRUE

B. FALSE

Answer: A

Question: 80

The TTL field encapsulated to the MPLS label header can prevent infinite loops of MPLS packets. Which of the following statements regarding the TTL field are true? (Multiple Choice)

- A. MPLS encapsulation in frame mode supports the TTL field. MPLS encapsulation in cell mode does not support the TTL field.
- B. MPLS provides two processing modes on the TTL field: 1. TTL in the MPLS header copies the IP TTL value when an IP packet enters the MPLS network. 2. The ingress LER sets the TTL value in the MPLS header to 255.
- C. The processing of IP TTL copy hides the LSR in a MPLS domain, improving the network security.
- D. If TTL copy is disabled, users can use the tracer function to view the LSR of the MPLS domain.

Answer: AB

Question: 81

```

Quidren:dhcp enable
Quidren:dhcp snooping enable
Quidren:interface GigabitEthernet0/0/1
Quidren:GigabitEthernet0/0/1 dhcp option82 insert enable
Quidren:GigabitEthernet0/0/1 dhcp snooping enable
Quidren:GigabitEthernet0/0/1 untrusted GigabitEthernet0/0/1
Quidren:GigabitEthernet0/0/1 dhcp snooping trusted
  
```

Which statement regarding the following configuration is false?
Configure GigabitEthernet 0/0/1 as a trusted interface.

- A. If the DHCP request packet received by GigabitEthernet 0/0/1 does not contain the SubOption1 information of Option 82, the
- B. device generates Option 82 and inserts it into the packet.
- C. Enable DHCP snooping to defend against bogus DHCP server attacks.
- D. Enable DHCP snooping to defend against bogus ARP spoofing attacks.

Answer: B

Question: 82

DHCP snooping is a security feature that can be used to defend against various attacks, including: (Multiple Choice)

- A. Starvation attacks by changing the CHADDR field value
- B. Bogus DHCP server attacks
- C. TCP flag attacks
- D. Man-in-the-middle attacks and IP/MAC spoofing attacks

Answer: ABD

Question: 83

What is the BFD version number supported by VRP?

- A. Version 1
- B. Version 2
- C. Version 3
- D. Version 4

Answer: A

Question: 84

A DDoS attack indicates that an attacker controls many botnet hosts to send a large number of constructed attack packets. As a result, the attacked device rejects request of authorized users.

- A. TRUE
- B. FALSE

Answer: A

Question: 85

A socket is composed of the 5-tuple. Which of the following options does not belong to the 5-tuple?

- A. Source IP address
- B. Source MAC address
- C. Destination IP address
- D. Destination interface

Answer: B

Question: 86

Which of the following statements regarding VRRP load balancing are true? (Multiple Choice)

- A. Multiple virtual routers can be configured on an interface of a router so that the router functions as the master of the virtual router and the backup of another virtual router.
- B. In load balancing mode, multiple routers transmit service at the same time, so at least two or

more virtual routers are required.

C. In load balancing mode, two or more VRRP groups are created, and multiple routers transmit services.

D. During priority configuration, the VRRP master of the three virtual routers can be on different routers.

Answer: CD

Question: 87

Which of the following statements regarding Free Mobility of the Agile Controller are true? (Multiple Choice)

A. When administrators configure Free Mobility, they need to select proper authentication points and policy execution points.

B. In the Free Mobility, Administrators can add static network segments or server resources to security groups, and manually bind their IP addresses to the security groups.

C. Free Mobility uses a configuration matrix to define access permissions between two security groups such as users and servers.

D. Free Mobility defines higher forwarding priorities for the VIP user group to ensure their network experience.

Answer: ACD

Question: 88

When configuring source NAT with no-pat configuration parameters, which of the following statements is true?

A. Only the source IP address is translated.

B. Only the destination IP address is translated.

C. The source IP address and source port number are both translated.

D. The destination IP address and destination port number are both translated.

Answer: A

Question: 89

Which of the following statements regarding the stateful inspection firewall is true?

A. The stateful inspection firewall needs to match the rules for each incoming packet.

B. Because UDP is a connectionless protocol, so the stateful inspection firewall cannot match UDP packets with the status table.

C. When the stateful inspection firewall checks packets, packets of one same connection are not correlated.

D. The stateful inspection firewall only needs to match the first data packet against a rule, and the

subsequent packets of the connection are matched directly in the state table.

Answer: D

Question: 90

Which are the new requirements on the enterprise network stimulated by the mobility trend?
(Multiple Choice)

- A. Unified wired and wireless management
- B. Consistent service experience anytime, anywhere
- C. Fast deployment of mobile applications
- D. Strict hierarchical networking

Answer: ABC

Question: 91

In interface queue scheduling, which queue is not fair and different flows in the queue cannot be isolated?

- A. CQ+WFQ
- B. PQ+WFQ
- C. FIFO
- D. WRR

Answer: C

Question: 92

Which of the following statements regarding packet marking is false?

- A. QoS information of packets can be marked.
- B. The DSCP priority or IP precedence of IP packets can be marked.
- C. The 802.1P priority of VLAN packets can be marked
- D. The MAC address of packets can be marked.

Answer: D

Question: 93

In a MPLS VPN network, two-layer MPLS labels are added to data packets before they are transmitted over the public network. Which of the following statements regarding two-layer labels are false?
(Multiple Choice)

- A. The outer label is the private network label and the inner label is the public network label.

- B. The MPLS VPN outer label is distributed manually by the LDP protocol. The inner label is distributed by the peer MP-BGP neighbor.
- C. By default, the outer label in data packets is popped out before being forwarded to the last hop.
- D. The outer label is used to instruct the PE to send data packets to the correct VPN.

Answer: AD

Question: 94

To provide differentiated services for different users, users or services are classified based on packet information such as the packet priority, source IP address, and port number. Which QoS technologies are often used to implement classification?

- A. Traffic policing
- B. Complex traffic classification
- C. Congestion avoidance
- D. Congestion management

Answer: B

Question: 95

LDP is dedicated for label distribution and supports multiple message types. Which of the following messages is used to create, change, or delete label mapping messages for FECs?

- A. Discovery message
- B. Session message
- C. Advertisement message
- D. Notification message

Answer: C

Question: 96

Which of the following statements regarding the characteristics of HA network are true? (Multiple Choice)

- A. Faults cannot occur frequently.
- B. Faults can be recovered rapidly.
- C. No fault occurs.
- D. When faults occur, services can be only restored manually.

Answer: AB

Question: 97

Which of the following statements regarding forwarding equivalence class (FEC) in MPLS are false? (Multiple Choice)

- A. Packets with the same FEC are processed differently on a MPLS network.
- B. FECs can be divided flexibly by source IP address, destination IP address, source port, destination port, protocol type, VPN, or any combinations of them.
- C. MPLS classifies packets with the same forwarding processing mode into one FEC.
- D. One FEC has only one unique label marker.

Answer: AD

Question: 98

NAT technology can only translate network layer information (IP address) in data packets.

- A. TRUE
- B. FALSE

Answer: B

Question: 99

Single-packet attacks indicate that an attacker controls botnet hosts to send a large number of attack packets, causing link congestion on the attacked network and system resource exhaustion.

- A. TRUE
- B. FALSE

Answer: B

Question: 100

Which QoS technology is usually used by congestion avoidance?

- A. GTS
- B. LR
- C. CAR
- D. WRED

Answer: D

Question: 101

When BFD is not used, the OSPF neighbor relationship that is established through the Ethernet link is terminated after 40s upon a link fault.

- A. TRUE
- B. FALSE

Answer: A

Question: 102

Which of the following are roles in port mirroring? (Multiple Choice)

- A. Mirrored port
- B. Local observing port
- C. Remote mirroring port
- D. Trunk port

Answer: ABC

Question: 103

Which of the following statements regarding Huawei eSight network management software is false?

- A. eSight is a lightweight system and a wizard is available for eSight installation.
- B. eSight adopts the C/S architecture, so users can access eSight using a browser anytime, anywhere.
- C. eSight provides corresponding solutions for different customers.
- D. eSight can uniformly manage devices from multiple vendors.

Answer: B

Question: 104

Separation technology of the control plane and forwarding plane is SDN.

- A. TRUE
- B. FALSE

Answer: B

Question: 105

Which of the following is not included in the three elements of Servermap table on the USG series firewall?

- A. Destination IP address
- B. Destination port number
- C. Protocol number
- D. Source IP address

Answer: D

Question: 106

The SDN architecture mainly includes NBIs and SBIs.

- A. TRUE
- B. FALSE

Answer: B

Question: 107

Which of the following statements regarding the delay and jitter are true? (Multiple Choice)

- A. The E2E delay is the sum of processing delays and queue delays.
- B. The jitter occurs because the E2E delays of each packet are different.
- C. The jitter is relevant to the delay, A small delay indicates a small jitter, A large delay indicates a large jitter.

Answer: BC

Question: 108

There are multiple types of LDP messages. Which functions can be implemented by LDP session messages?
(Multiple Choice)

- A. Monitor the TCP connection integrity of LDP sessions.
- B. Terminate incomplete label request messages.
- C. Release labels.
- D. Negotiate parameters for setting up an LDP session.

Answer: AD

Question: 109

Which of the following statements regarding VRRP is false?

- A. The master in the VRRP group is selected based on priorities.
- B. The master sends gratuitous ARP packets, and notifies the connected device or host of its virtual MAC address.
- C. If the master fails, the new master is selected among backup devices based on priorities.
- D. The priority ranges from 1 to 255. When the backup received VRRP Advertisement packets which the priority is 0, the backup discards the packets.

Answer: D

Question: 110

Which of the following methods is used to control internal employees and guests access networks in the Agile Controller wireless access control scenario?

- A. Access control by user name
- B. According to whether the wireless terminal MAC address registration control access
- C. Access control by SSID (different SSIDs for internal employees and guests)
- D. Access control by wireless terminal type

Answer: C

Question: 111

Which of the following is not the application scenario of the guest access management function of the Agile Controller?

- A. Customers access the enterprise network, public resources, or Internet during exchanges with or visits to the enterprise.
- B. Citizens access the Internet through the network provided by public utilities.
- C. Consumers connect to the Internet over the enterprise network.
- D. Enterprise employees on a business trip connect to the enterprise network through the branch network.

Answer: D

Question: 112

Which of the following are label distribution control modes in the MPLS system? (Multiple Choice)

- A. Liberal
- B. Independent
- C. Conservative
- D. Ordered

Answer: BD

Question: 113

On the alarm management page of eSight, the green color indicates that the alarm has been acknowledged.

- A. TRUE
- B. FALSE

Answer: B

Question: 114

On the USG series firewall, which zone can be deleted by the administrator?

- A. Security zone
- B. Trusted zone
- C. Untrusted zone
- D. DMZ

Answer: A

Question: 115

In the MPLS VPN, RD values are added to IPv4 addresses to distinguish IPv4 prefixes with the same address space. Which of the following statements are true? (Multiple Choice)

- A. The RD is encapsulated into the Update packet as the BGP extended attribute.
- B. After receiving IPv4 routes from a CE, a PE adds RDs to them to convert them to globally unique VPN-IPv4 routes and advertises the routes on the public network.
- C. Each VPN instance on a PE corresponds to a RD value. The RD on the same PE must be globally unique.
- D. The RD can be used to control advertisement of VPN routing information.

Answer: BC

Question: 116

Which queue technology is used to implement the Best-Effort Service model?

- A. FIFO
- B. WFQ
- C. PQ
- D. LQ

Answer: C

Question: 117

Man-in-the-middle attacks or IP/MAC Spoofing attacks are common on intranets and will cause information leakage. Which configuration method can prevent these attacks?

- A. Configure the trusted or untrusted interface.
- B. Limit the maximum number of MAC addresses that can be learned on a switch interface.

- C. Configure DHCP snooping to check the CHADDR field carried in a DHCP Request packet.
- D. Configure association between DHCP snooping and IPSG or DAI on the switch.

Answer: ABC

Question: 118

On the DiffServ network, what is the main purpose of defining the service type of the EF classification?

- A. Preferentially guarantee the services that require short delay, low packet loss, low jitter, and assured bandwidth.
- B. Provide channels for packet forwarding.
- C. Ensure bandwidth for specific traffic.
- D. Ensure that packets are forwarded with the minimum delay.

Answer: B

Question: 119

VPN models are classified into two types: overlay VPN and peer-to-peer VPN.

- A. TRUE
- B. FALSE

Answer: B

Question: 120

What is the default priority of the device in a VRRP group?

- A. 200
- B. 150
- C. 100
- D. 0

Answer: A

Question: 121

Which of the following firewalls has the highest forwarding efficiency when processing non-first-packet data flows?

- A. Packet filtering firewall
- B. Proxy firewall
- C. Stateful inspection firewall

D. Software firewall

Answer: ACD

Question: 122

When hosts and servers in the same zone communicate with each other, NAT is not required.

- A. TRUE
- B. FALSE

Answer: A

Question: 123

What are three features of SDN network architecture?

- A. Separated forwarding and control layers, centralized control, and open interfaces
- B. Separated forwarding and control layers, distributed control, and open interfaces
- C. Centralized forwarding and control layers, centralized control, and open interfaces
- D. Separated forwarding and control layers, centralized control, and closed interfaces

Answer: A

Question: 124

In the Agile Controller's access control scenario, Which of the following statements regarding the roles of the RADIUS server and client is true?

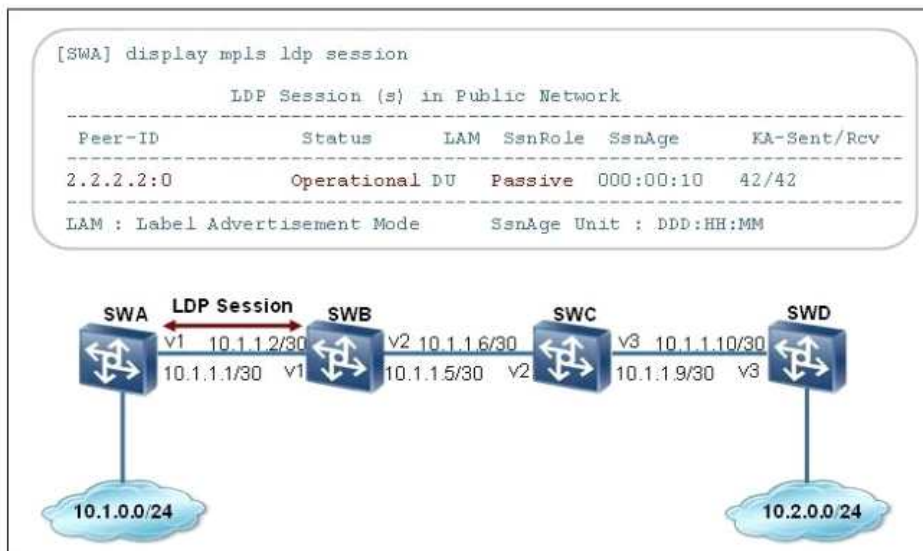
- A. The Agile Controller integrates all functions of the RADIUS server and client.
- B. The Agile Controller as the RADIUS server, while the user terminal as the RADIUS client.
- C. The authentication device (such as a 802.1X switch as the RADIUS server, while the user terminal as the RADIUS client.
- D. The Agile Controller as the RADIUS server, while the authentication device (such as a 802.1X switch) as the RADIUS client.

Answer: AB

Question: 125

The following figure shows a network running MPLS and LDP session information displayed on SW

- A. Which of the following statements is false? (Multiple Choice)



- A. In 2.2.2.2:0, 2.2.2.2 indicates the LSR ID of the neighbor.
- B. In 2.2.2.2:0, 0 indicates the global label space.
- C. The value Operational indicates that the LDP process is running and the LDP session has not been set up.
- D. The value Passive indicates that SWA is the responder.
- E. The value Passive indicates that SWB is the responder.

Answer: A

Question: 126

Which of the following access control modes is not supported by Agile Controller?

- A. 802.1X
- B. Portal
- C. MAC address bypass
- D. SACG
- E. AAA

Answer: AD

Question: 127

Which drop policy is not induced by congestion avoidance? (Multiple Choice)

- A. FIFO
- B. RED
- C. WRED
- D. WFQ

Answer: A

Question: 128

Which of the following items is not the disadvantage of the traditional congestion avoidance mechanism (tail drop)?

- A. Global TCP synchronization
- B. High jitter and long delay
- C. High cost
- D. Packets are discarded without differentiating the priority

Answer: B

Question: 129

Packet loss occurs only at the transmit end.

- A. TRUE
- B. FALSE

Answer: A

Question: 130

In the DiffServ domain, the core router typically only performs simple traffic classification.

- A. TRUE
- B. FALSE

Answer: A

Question: 131

Which application environment of following is NFV often deployed? (Multiple Choice)

- A. Data center
- B. Network node
- C. User access side
- D. Client/Server

Answer: ABD

Question: 132

Which of the following statements regarding the access control application scenario of the Agile

Controller is false?

- A. In MAC address authentication, user terminals are authenticated by the authentication server based on their MAC addresses. MAC address authentication is mainly used to authenticate dumb terminals, such as IP phones and printers.
- B. 802.1X authentication uses the Extensible Authentication Protocol (EAP) to transmit authentication information between the client, access device, and authentication server.
- C. Portal authentication is also called web authentication. Users enter their account information on the web authentication page for identity authentication.
- D. In SACG authentication, the USG firewall is connected to a router or switch in bypass mode, and terminal access is controlled by manual monitoring.

Answer: A

Question: 133

Which are the layers of SDN network architecture? (Multiple Choice)

- A. Orchestration application layer
- B. Control layer
- C. Logical layer
- D. Forwarding layer

Answer: B

Question: 134

Which of the following items can be used as the filtering conditions for historical alarm query on eSight?
(Multiple Choice)

- A. Alarm severity
- B. First occurrence time
- C. Alarm source
- D. Alarm name

Answer: ABD

Question: 135

Which following module is not the functional module of NFV framework?

- A. VIM
- B. VNF
- C. VNFM
- D. OSS

Answer: C

Question: 136

NAT technology implements data security transmission through data encryption.

- A. TRUE
- B. FALSE

Answer: A

Question: 137

Which packet information can be used for complex traffic classification? (Multiple Choice)

- A. Packet length
- B. Source and destination addresses
- C. Protocol type
- D. Source and destination MAC addresses

Answer: A

Question: 138

Which zones are provided by the Huawei firewall by default? (Multiple Choice)

- A. Local zone
- B. Trusted zone
- C. Untrusted zone
- D. Security zone

Answer: D

Question: 139

Which of the following protocols are multi-channel protocols? (Multiple Choice)

- A. FTP
- B. Telnet
- C. H.323
- D. SMTP

Answer: C

Question: 140

A label forwarding table exists on a device that runs MPLS. Which of the following statements regarding all incoming labels in the label forwarding table is true?

- A. They must be different.
- B. They must be the same.
- C. They may be the same.

Answer: C

Question: 141

DHCP uses different types of packets to implement different functions. Which of the following is the function of the DHCP Offer packet?

- A. The DHCP Offer packets are broadcast by the DHCP client to detect available servers.
- B. The DHCP server sends DHCP Offer packets to respond to the DHCP Discover packets sent by the DHCP client, providing requested configuration parameters.
- C. The DHCP client sends a DHCP Offer packet to the DHCP server to request configuration parameters, configuration acknowledgement, or extension of the IP address lease.
- D. The DHCP server sends a DHCP Offer packet to the client, carrying configuration parameters, such as the IP address.

Answer: B

Question: 142

DHCP snooping can prevent bogus DHCP server attacks. Which of the following are the required configuration steps? (Multiple Choice)

- A. Enable DHCP globally.
- B. Enable DAI Snooping globally.
- C. Enable DHCP snooping on an interface or VLAN.
- D. Configure an interface as a trusted or untrusted interface.

Answer: B

Question: 143

Which of the following statements regarding the DiffServ model is false?

- A. Signaling is required. Before transmitting packets, an application does not need to notify a router and the network does not need to maintain the status for each flow.
- B. Different methods can be used to specify QoS of packets, for example, IP precedence, source IP address, and destination IP address of IP packets.

- C. The DiffServ model provides the E2E QoS guarantee for important applications.
- D. It can be implemented through technologies such as CAR or queue scheduling technologies.

Answer: ABC

Question: 144

When the virtual router responds to ARP Request packets, the actual MAC address of the master router is used,

- A. TRUE
- B. FALSE

Answer: B

Question: 145

How is OPEX defined?

- A. Maintenance cost
- B. Total cost of ownership (TCO)
- C. Operating cost
- D. O&M costs

Answer: A

Question: 146

Which of the following command is used to configure remote port mirroring on a Huawei router to send the packets mirrored on the remote mirrored port to the monitoring device through the Layer 3 IP network?

- A. mirror-sever destination-ip 10.1.0.1 source-ip 192.168.1.1
- B. monitor-sever destination-ip 10.1.0.1 source-ip 192.168.1.1
- C. observe-sever destination-ip 10.1.0.1 source-ip 192.168.1.1
- D. sever destination-ip 10.1.0.1 source-ip 192.168.1.1

Answer: D

Question: 147

Which of the following command is used to configure Eth2/0/3 as a local observing port on a Huawei AR router?

- A. observe-port interface Ethernet2/0/3
- B. mirror-port interface Ethernet2/0/3

- C. monitor-port interface Ethernet2/0/3
- D. server-port interface Ethernet2/0/3

Answer: C

Question: 148

Which mechanism can be used with VRRP to monitor the uplink connectivity? (Multiple Choice)

- A. Association with an interface
- B. BFD
- C. NQA
- D. IP link

Answer: C

Question: 149

LDP uses different neighbor discovery mechanisms. Which of the following statements regarding the LDP neighbor discovery is false?

- A. LDP discovery mechanisms include the basic discovery mechanism and extended discovery mechanism.
- B. The LDP basic discovery mechanism discovers directly-connected LDP peers on a link.
- C. The LDP extended discovery mechanism discovers indirectly-connected LDP peers.
- D. LDP discovery mechanisms need to specify LDP Peer.

Answer: D

Question: 150

eSight supports four alarm levels. Which of the following is true?

- A. Critical, minor, warning, and info
- B. Critical, major, important, and warning
- C. Critical, major, warning, and info
- D. Critical, major, minor, and warning

Answer: C

Question: 151

Which of the following statements is false?

- A. LSPs are classified into static and dynamic LSPs. A static LSP is manually configured by an administrator. A dynamic LSP is dynamically established using routing and label distribution protocols.

- B. When labels are allocated manually, ensure that the outgoing label of an upstream node is the same as the incoming label of the downstream node.
- C. LSPs created by static Distribution labels can be dynamically adjusted according to network topology changes, without the need for administrator intervention.
- D. Dynamic LSPs are established using label distribution protocols, such as MP-BGP, RSVP-TE, and LDP.

Answer: A

Question: 152

When configuring MPLS VPN, the administrator configures the following commands. Which of the following statements is false?

```
interface GigabitEthernet0/0/0
 ip binding vpn-instance VPN1
=
interface GigabitEthernet0/0/1
 ip binding vpn-instance VPN2
```

- A. This command is generally configured on a PE.
- B. This command binds GO/0/1 and GO/0/2 on the PE to the VPN instances assigned for the customer network.
- C. After an interface is bound to a VPN instance, the interface becomes a private network interface, which can be assigned with a private network address and run a private network routing protocol.
- D. If an interface is unbound from a VPN instance, the device does not automatically clear IPv4 or IPv6 configurations on the interface.

Answer: D

Question: 153

BFD is a universal fast detection technology that can implement fast switchover, so BFD does not need to be used with other fast switching technologies.

- A. TRUE
- B. FALSE

Answer: B

Question: 154

The QoS service model includes? (Multiple Choice)

- A. BE service model
- B. IntServ model
- C. DiffServ model
- D. FIFO model

Answer: ABC

Question: 155

The LDP session establishment process will go through the opensent status. Which state will the opensent state change to after the device receives an Initialization message and sends a Keepalive message?

- A. initialized
- B. openrec
- C. operational
- D. non-existent

Answer: B

Question: 156

MPLS implements data forwarding based on two different planes. Which of the following statements regarding the forwarding mechanism are correct? (Multiple Choice)

- A. After an IP packet enters an MPLS domain, the device receiving the packet queries in the FIB table first.
- B. The system automatically assigns an ID to the upper-layer application that uses a tunnel. This ID is also called the tunnel ID.
- C. If the tunnel ID is 0x0, the MPLS forwarding process starts.
- D. If the tunnel ID is not 0x0, the normal IP forwarding process starts.

Answer: AB

Question: 157

MPLS is short for multiprotocol label switching. Which of the following statements regarding MPLS labels are true? (Multiple Choice)

- A. An MPLS label is a short fixed-length identifier with only local significance, and is used to uniquely indicate the FEC to which a packet belongs.
- B. Similar to VPI/VCI in ATM packets and DLCI in Frame Relay packets, an MPLS label is a connection identifier.
- C. An MPLS label, carried in a packet header, does not contain topology information and is globally significance.
- D. MPLS supports single-layer labels and multi-layer labels.

E. MPLS has multiple label distribution protocols, such as, Label Distribution Protocol (LDP).

Answer: ABDE

Question: 158

Which of the following statements regarding the delay and jitter is true?

- A. The jitter is relevant to the delay.
- B. The jitter occurs because the E2E delays of data packets in the different flow are different.
- C. A long delay indicates a short jitter and a short delay indicates a large jitter.
- D. Jitter is independent of delay.

Answer: A

Question: 159

Which of the following protocols can be associated with BFD? (Multiple Choice)

- A. VRRP
- B. OSPF
- C. BGP
- D. Static route

Answer: ABCD

Question: 160

What are the mainly methods of data collection? (Multiple Choice)

- A. Collection by physical optical splitter
- B. Collection through port mirroring
- C. Centralized collection by NMS
- D. Automatic collection

Answer: ABC

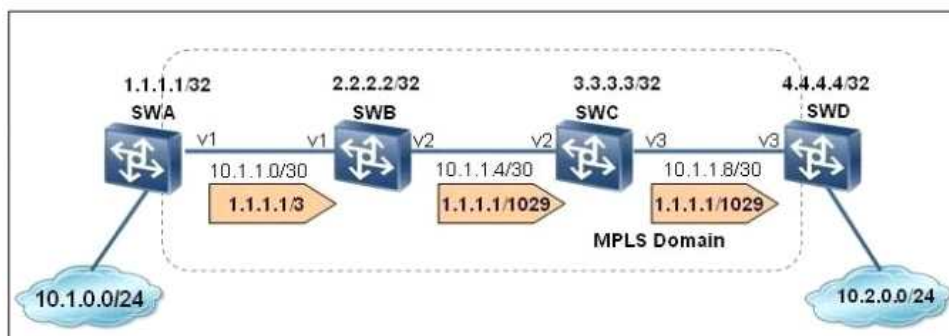
Question: 161

Which command is used to configure the VRRP preemption delay?

- A. vrrp vrid 1 preempt-timer 20
- B. vrrp vrid 1 preempt-mode timer delay 20
- C. vrrp vrid 1 timer delay 20
- D. vrrp vrid 1 preempt-delay 20

Answer: B

Question: 162



On the network shown in the following figure, all the devices run MPLS. The downstream switch SWA sends a label mapping message with IP address 1.1.1.1 to SWB. After SWB receives the label mapping message, it distributes a label to SWC. After SWC receives the label, it sends a label to SWD. Which are the label distribution control mode and label advertisement mode on this network?

- A. Ordered + DU
- B. Ordered + DoD
- C. Independent + DU
- D. Independent + DoD

Answer: A

Question: 163

When the stateful inspection firewall forwards subsequent data packets (non-first packet), which of following table is used for forwarding?

- A. Routing table
- B. MAC address table
- C. Session table
- D. FIB table

Answer: C

Question: 164

After add interface GigabitEthernetO/0/1 is configured in the trust zone view of the USG series firewall GigabitEthernetO/0/1 does not belong to the local zone anymore.

- A. TRUE
- B. FALSE

Answer: B

Question: 165

What are the advantages of NFV? (Multiple Choice)

- A. Reduce device and energy cost.
- B. Shorten the network service innovation period.
- C. Uses the unified software versions for devices and uniformly manage access tenants.
- D. Provide services for different applications and tenants through the single platform.

Answer: ABD

Question: 166

Congestion management technology defines scheduling policies to determine the order of packet processing sequence.

- A. TRUE
- B. FALSE

Answer: A

Question: 167

Which remote alarm notification modes are supported by eSight? (Multiple Choice)

- A. Email
- B. Voice
- C. SMS message
- D. WeChat

Answer: AC

Question: 168

With the development of the ASIC technology, MPLS is no longer show obvious advantages in improving the forwarding speed. However, MPLS is still widely used causes for what? (Multiple Choice)

- A. MPLS supports multi-layer labels, and the connection-oriented.
- B. MPLS integrates the powerful Layer 3 routing function of the IP network and the highly effective forwarding mechanism of the traditional Layer 2 network.
- C. MPLS cannot easily implement seamless integration between IP and Layer 2 networks such as the ATM and frame relay.
- D. Support Applications like traffic engineering (TE), virtual private network (VPN), quality of service

(QoS) provide better solutions.

Answer: ABD

Question: 169

Which information are included in the DHCP binding entry? (Multiple Choice)

- A. MAC address
- B. IP address
- C. Lease time
- D. Physical port and UDP port

Answer: ABC

Question: 170

The following describes the VPN configuration on a device. Which of the following statements is true?

```
vpn-instance VPN1
  ipsec-family
    route-distinguisher 1:1
    vpn-target 1:1 export-extcommunity
    vpn-target 2:2 import-extcommunity
```

- A. This command is configured on the CE of the customer network.
- B. route-distinguisher 1:1 indicates that the RD value is 1:1, which is not globally unique.
- C. vpn-target 1:1 export-extcommunity indicates that the Export Target of the VPN is 1:1.
- D. vpn-target 2:2 import-extcommunity indicates that the Import Target of the VPN is 2:2. Only one value can be set for the Import Target.

Answer: C

Question: 171

Which of the following statements regarding the IntServ model is false?

- A. RSVP is used to transmit signaling of QoS requests, notifying the router of QoS requirements of the application.
- B. It provides guaranteed bandwidth and delay to meet requirements of the application.
- C. It can provide a load control service, to ensure that even in the case of network overload, can provide services similar to the network which is not overloaded, that is, in the case of network congestion, this model ensures that packets of some applications can be processed with the low delay.

D. In this model, the network maintains the status of each flow (IP addresses and port numbers of source and destination ends), and based on this state packets are classified, policed, queued, and scheduled, meeting application requirements.

Answer: D

Question: 172

Which of the following attacks is not the network layer attack?

- A. IP spoofing attack
- B. Smurf attack
- C. ARP spoofing attack
- D. ICMP attack

Answer: C

Question: 173

For interzone packet filtering, which traffic is belong to transmitted to outbound direction?

- A. Trusted zone -> Untrusted zone
- B. Untrusted zone -> Trusted zone
- C. Untrusted zone -> DMZ
- D. Trusted zone -> Local zone

Answer: A

Question: 174

Which command is used to configure association between VRRP and a physical interface?

- A. vrrp vrid 1 track interface GigabitEthernet-0/0/0
- B. track vrrp vrid 1 interface GigabitEthernet0/0/0
- C. vrrp vrid 1 interface GigabitEthernet0/0/0 track
- D. vrrp vrid 1 interface GigabitEthernet0/0/0

Answer: A

Question: 175

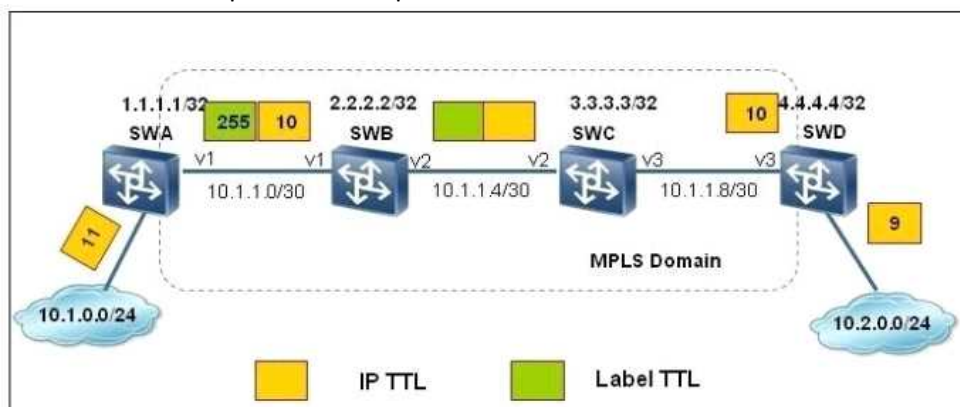
For the IntServ model, an application needs to apply for reserved resources before sending packets.

- A. TRUE
- B. FALSE

Answer: A

Question: 176

A MPLS packet contains the TTL field. On a network shown in the following figure, what are the TTL values in the MPLS packet and IP packet sent from SWB to SWC?



- A. 255, 9
- B. 254, 10
- C. 10, 10
- D. 254, 9

Answer: B

Question: 177

Which of the following parameters is optional when you configure a RADIUS server template on a Huawei switch?

- A. Authentication server IP address and port
- B. Automatic RADIUS user detection
- C. Accounting server address and port
- D. Shared-key

Answer: B

Question: 178

Which of the following statements regarding Service Chain of the Agile Controller are true? (Multiple Choice)

- A. The Service Chain component uses a user control list (UCL) to implement access control by user level. The ACL rules are defined based on the source security group, destination security group, and port number.
- B. An orchestration device, usually a switch, directs service flows to a service device.

- C. A service device processes the service flows directed to it by an orchestration device. Generally, firewall, antivirus, and online behavior management devices can function as service devices.
- D. A service chain indicates the service data passing through the GRE tunnel.

Answer: ABC

Question: 179

Which of the following statements regarding the free mobility application scenario of the Agile Controller is false?

- A. The Agile Controller uniformly deploys permission policies for controlling server access from personnel in each department. The administrator needs to focus on access permissions between departments. A key device in the campus can function as the policy execution point. After the deployment is complete, users can obtain access permissions no matter where they are and what access mode is used.
- B. Policies are deployed automatically to control access between outsourcing personnel and employees by policies and IP addresses, while ensuring correct the network access permissions of each user. It can also control data sharing among team members to guarantee enterprise data security.
- C. When gateway resources are limited, automatic gateway selection and preferential forwarding of packets from VIP users guarantee fine network experience of VIP users.
- D. The Agile Controller can automatically identify office requirements of working staff, without the need for manual configurations. Users can obtain network access permissions anytime, anywhere.

Answer: D

Question: 180

BFD (bidirectional forwarding detection) is a fast detection technology but is complex, It needs to be supported by special devices.

- A. TRUE
- B. FALSE

Answer: B

Question: 181

IP packets are marked with the ToS field for QoS, and the first 6 bits of the ToS field mark the DSCP priority.

- A. TRUE
- B. FALSE

Answer: A

Question: 182

If two devices are connected, one device supports BFD, and the other devices do not support BFD, which BFD function can be used by the BFD-capable device to detect link connectivity?

- A. Fast handshake
- B. Interface association
- C. BFD Echo
- D. Bidirectional detection

Answer: C

Question: 183

PQ classification mechanism supports the standard or extended ACL.

- A. TRUE
- B. FALSE

Answer: A

Question: 184

MPLS forwards data packets based on labels. How is IP packets passing through the MPLS domain forwarded if they do not carry any label?

- A. Common IP forwarding
- B. ATM forwarding
- C. Multi-label MPLS forwarding
- D. Single-label MPLS forwarding

Answer: A

Question: 185

Which of the following is not the limitation of traditional networks?

- A. The network protocol implementation is complex, and the O&M is difficult.
- B. The traffic path cannot be adjusted flexibly.
- C. The upgrade of new network services is slow.
- D. Different vendors' devices provide similar implementation, there is less difference in operation commands, and operations are easy.

Answer: D

Question: 186

On a MPLS network, devices forward data frames based on the MPLS label. Where is the MPLS label located?

- A. Behind the Layer 3 header and before the Layer 2 header
- B. Behind the Layer 2 header and before the Layer 3 header
- C. Inside the Layer 3 header
- D. Before the Layer 2 header

Answer: B

Question: 187

A VPN instance is also called a VPN routing and forwarding (VRF) table. Which of the following statements is false?

- A. VPN instances on a PE are independent of each other.
- B. Each VPN instance can be regarded as a virtual router, which maintains an independent address space and has one or more interfaces connected to the VPN.
- C. A PE maintains multiple routing and forwarding tables, including a public routing and forwarding table and one or more VRFs.
- D. A VPN instance can be bound to multiple sites. Multiple sites can be bound to one VPN instance.

Answer: D

Question: 188

FIFO can allocate different weights to different services and has good control of delay and jitter.

- A. TRUE
- B. FALSE

Answer: B

Question: 189

Which of the following is not the advantage of NAT?

- A. NAT allows network users with private IP addresses to easily access the Internet.
- B. NAT allows many hosts of the LAN to share one IP address for Internet access.
- C. NAT can process IP packet encryption.
- D. NAT can shield internal network address translation and improves the security of the internal network.

Answer: C

Question: 190

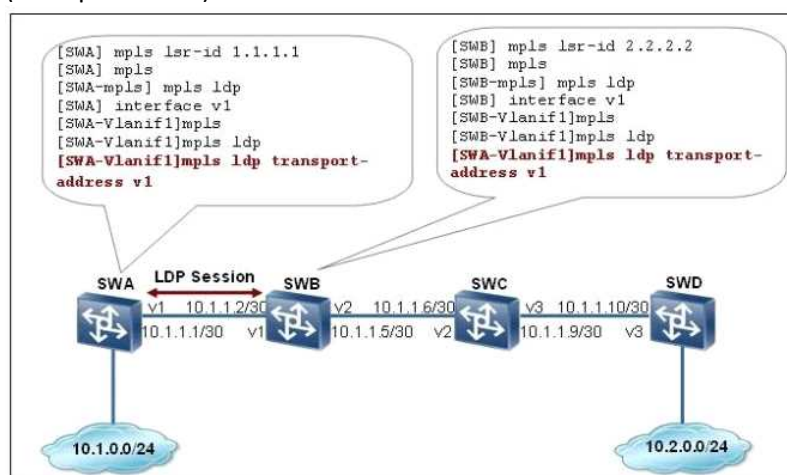
Which of the following protocols are used by eSight to discover NEs? (Multiple Choice)

- A. SNMP
- B. ICMP
- C. Telnet
- D. NETCONF

Answer: AB

Question: 191

On the MPLS network shown in the following figure, which of the following statements are true? (Multiple Choice)



- A. The switch uses the directly-connected interface to set up a TCP connection.
- B. The switch's peer LDP ID is an interface IP address of the peer device.
- C. The switch's peer LDP ID is the MPLS LSR ID of the peer device.
- D. The switch uses the LSR ID to set up a TCP connection.

Answer: AC

Question: 192

Which of the following statements regarding the authentication domain of the Agile Controller are true?

(Multiple Choice)

- A. Authentication domains are classified into the pre-authentication domain, isolation domain, and post-authentication domain.
- B. A pre-authentication domain defines public network resources that users can access before

passing identity authentication in the area, for example, the DNS server, external authentication source, Service Manager, and Service Controller.

C. An isolation domain defines resources that end users passing identity authentication but failing the security check can access. These resources such as the patch server and antivirus server can help end users eliminate violations.

D. A post-authentication domain defines controlled network resources that end users can access after passing identity authentication and security check, for example, the ERP system, financial system, and database.

Answer: ABCD

Question: 193

The proxy firewall works at the TCP/IP transport layer and processes services between users of the internal and external networks,

- A. TRUE
- B. FALSE

Answer: B

Question: 194

Which of the following statements regarding terminal security management of the Agile Controller are true? (Multiple Choice)

- A. Supports one-click restoration to reduce maintenance costs of terminals.
- B. Allows installation of only standard software, implementing desktop office standardization.
- C. Forces installation of clients meeting security requirements and prevents terminal data leaking.
- D. Prohibits installation of non-standard software to reduce the virus infection risks.

Answer: ABCD

Question: 195

Which statement regarding relationship between 802.IX and RADIUS is true?

- A. 802.IX and RADIUS are different names of the same technology.
- B. 802.IX is a technological system, in which RADIUS is included.
- C. RADIUS is a technological system, in which 802.IX is included.
- D. 802.IX and RADIUS are different technologies, but they are often used together for user access control.

Answer: D

Question: 196

Intranet users of a company use NAT in no-pat mode to access the Internet. If all public IP addresses are used, what will happen when subsequent intranet users go online?

- A. The previous user is disconnected forcibly and subsequent intranet users go online through NAT translation.
- B. Subsequent intranet users cannot go online.
- C. NAT is automatically switched to PAT, and then subsequent intranet users go online.
- D. Packets are synchronized to another NAT translation device.

Answer: B

Question: 197

The jitter occurs because the E2E delays of data packets in the same flow are different.

- A. TRUE
- B. FALSE

Answer: A

Question: 198

The WRED drop profile defines the following parameters for AF21 traffic: the lower drop threshold is 35, the upper drop threshold is 40, and the maximum drop probability is 50%. Which of the following statements regarding the processing result of AF21 traffic are false? (Multiple Choice)

- A. When the average length of packets in the queue is smaller than 35, packets are discarded.
- B. When the average length of packets in the queue is larger than 35 and smaller than 40, the drop probability of packet is 50%.
- C. When the average length of packets in the queue is larger than 40, packets enter the queue.
- D. When the average length of packets in the queue is larger than 40, packets are discarded.

Answer: AC

Question: 199

To avoid global TCP synchronization, which congestion avoidance mechanisms can be used? (Multiple Choice)

- A. RED
- B. WRED
- C. Tail drop
- D. WFQ

Answer: AB

Question: 200

Simple traffic classification uses the DSCP priority of IP packets, the EXP priority of MPLS packets, and 802.1p priority of VLAN packets.

- A. TRUE
- B. FALSE

Answer: A

Question: 201

How many bits does an MPLS label field have?

- A. 8
- B. 3
- C. 1
- D. 20

Answer: D

Question: 202

An attacker sends ICMP Request packets with the destination address as the broadcast address of the attacked user host. What is this attack?

- A. IP spoofing attack
- B. Smurf attack
- C. ICMP redirection attack
- D. SYN Flood attack

Answer: B

Question: 203

Which of the following statements regarding traffic policing is true? (Multiple Choice)

- A. Packets cannot be colored.
- B. Packets can be colored.
- C. The packets of which the rate is exceeded can be buffered.
- D. The packets of which the rate is exceeded cannot be buffered.

Answer: BD

Question: 204

Which of the following statements regarding the commands used by a PC to obtain an IP address from the DHCP server are true? (Multiple Choice)

- A. You can run the ipconfig/release command on a PC running Windows 7/Windows XP to actively release the IP address. In this case, the PC sends a DHCP Request packet to the DHCP server.
- B. You can run the ipconfig/release command on a PC running Windows 7/Windows XP to actively release the IP address. In this case, the PC sends a DHCP Release packet to the DHCP server.
- C. You can run the ipconfig/renew command on a PC running Windows 7/Windows XP to apply for a new IP address. In this case, the PC sends a DHCP Renew packet to the DHCP server.
- D. You can run the ipconfig/renew command on a PC running Windows 7/Windows XP to apply for a new IP address. In this case, the PC sends a DHCP Discover packet to the DHCP server.

Answer: BD

Question: 205

MPLS supports forwarding equivalence class (FEC). Which of the following cannot be used as a FEC allocation standard?

- A. Fragment offset
- B. Destination address
- C. Application protocol
- D. Class of Service (CoS)

Answer: A

Question: 206

How many service types are classified based on the IP precedence, MPLS EXP priority, or 802.1p priority?

- A. 2
- B. 4
- C. 6
- D. 8

Answer: D

Question: 207

Multiprotocol Label Switching (MPLS) defined in IETF is a Layer 3 switching technology and consists of different devices. Which of the following devices is responsible for adding labels or deleting labels from packets?

- A. Label distribution router
- B. Label edge router (LER)
- C. Label switching router (LSR)
- D. Label transmission router

Answer: B

Question: 208

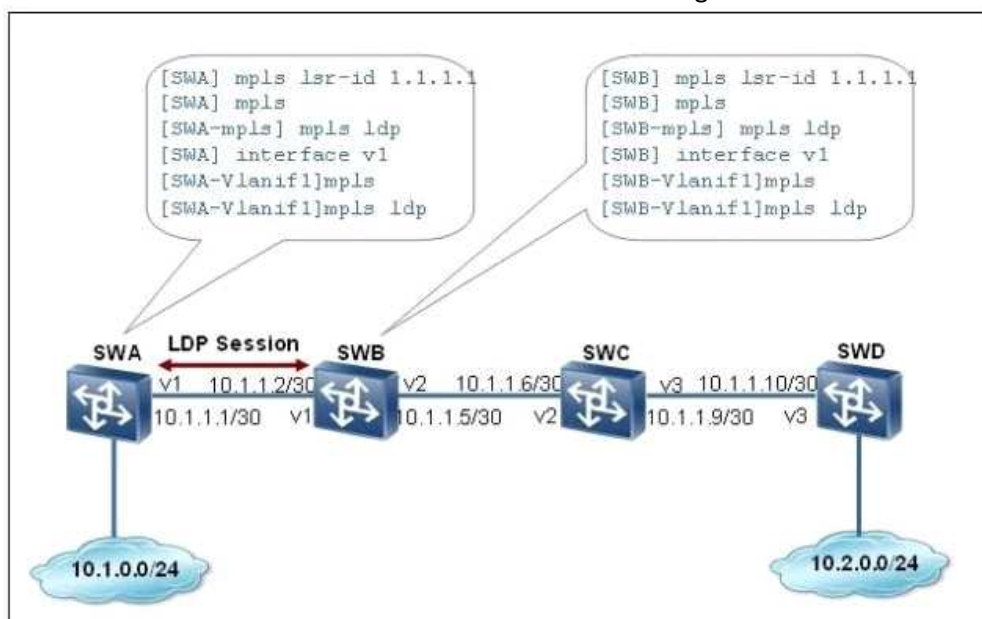
Application Specific Packet Filter (ASPF) is packet filtering based on the application layer. ASPF checks application layer protocol information, monitors the application layer protocol status of connections, and uses the Servermap table to achieve a special security mechanism. Which of the following statements regarding ASPF and Servermap is false?

- A. ASPF monitors packets during communication.
- B. ASPF dynamically creates and deletes filtering rules.
- C. ASPF uses the Servermap table to dynamically allow data of multi-channel protocols through.
- D. The five-tuple Server-map entry implements a similar function to the session table.

Answer: D

Question: 209

On the network shown in the following figure, a MPLS LSP is configured and a local LDP session is established between SWA and SWB. Which of the following statements is true?



- A. The configuration is correct.
- B. The MPLS LSR IDs of the two devices must be different.
- C. MPLS does not need to be enabled globally.

D. MPLS does not need to be enabled on interfaces.

Answer: B

Question: 210

For data with the AF DSCP flag, guaranteed bandwidth should be given. If some bandwidth is free, extra bandwidth cannot be occupied by such data.

- A. TRUE
- B. FALSE

Answer: B

Question: 211

MPLS supports multi-layer labels and connection-oriented on the forwarding plane, therefore it is widely used. So Which of the following is not the cause for MPLS deployment?

- A. Wide recognition by vendors
- B. Traffic engineering capabilities
- C. Simplifying route query on software-based routers
- D. Using VPN services

Answer: A

Question: 212

Which of the following statements regarding the firewall interzone security policy is true?

- A. The interzone security policies are arranged in the order of the match, the listed first is matched preferentially.
- B. The interzone security policy with the smaller ID is matched preferentially.
- C. The interzone security policy with the larger ID is matched preferentially.
- D. The interzone security policies are listed automatically based on sequence numbers. When the order is changed, the number is changed.

Answer: A

Question: 213

The NAT address pool configuration command is as follows. What is the meaning of no-pat?

```

set ip address-group 1
  section 0 202.102.165.10 202.102.165.20
  nat-mode nat1

```

- A. The address is not translated.
- B. The interface is multiplexed.
- C. The source interface is not converted.
- D. The destination interface is not converted.

Answer: C

Question: 214

Which of the following statements regarding Network Address and Port Translation (NAFT) and No Port Translation (No-PAT) is true?

- A. After NAFT translation, all packets are from the same IP address for external users.
- B. In No-PAT mode, only the transport layer protocol port number can be converted.
- C. In NAFT mode, only the network layer protocol address can be converted.
- D. In No-PAT mode, the network layer protocol address can be converted.

Answer: D

Question: 215

Which of the port mirroring modes are supported by Huawei S series switches? (Multiple Choice)

- A. Local port mirroring
- B. Remote port mirroring
- C. Global mirroring
- D. Flow mirroring

Answer: ACD

Question: 216

MPLS uses LDP to provide different label distribution modes. Which of the following statements regarding LDP label distribution control modes are false? (Multiple Choice)

- A. LDP label distribution can be controlled in ordered mode.
- B. In ordered mode, when an LSR is the origin of a route, it can send label mapping messages to the upstream router initiatively and does not need to wait for label mapping messages from the next hop LSR.
- C. LDP label distribution cannot be controlled in independent mode.

D. In independent mode, an LSR cannot send label mapping messages to the upstream router before it receives label mapping messages from the next hop LSR.

Answer: CD

Question: 217

A DHCP server allocates IP addresses to clients. Which of the following steps are required when configuring a DHCP server? (Multiple Choice)

- A. Enable DHCP globally.
- B. Configure the DHCP Option 82 field.
- C. Configure the global address pool if the DHCP server based on the global address pool is used.
- D. Configure the interface address pool if the DHCP server based on the interface address pool is used.

Answer: ACD

Question: 218

Which of the following statements regarding the differences between GTS, LR, and CAR is false?

- A. During traffic control, CAR enables the device to discard the packets of which the rate is exceeded.
- B. During traffic control, GTS enables the device to buffer packets of which the rate is exceeded into queues.
- C. During traffic control, LR enables the device to discard the packets of which the rate is exceeded.
- D. During traffic control, LR enables the device to buffer the packets of which the rate is exceeded and to send packets to QoS queues.

Answer: C

Question: 219

Which of the following steps are required when configuring a DHCP relay agent? (Multiple Choice)

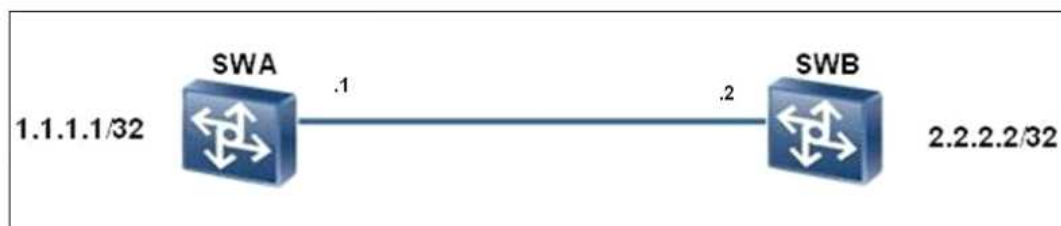
- A. Configure the DHCP server group name.
- B. Configure IP addresses of DHCP servers in the DHCP server group.
- C. Configure the number and IP address of the interface enabled with the DHCP relay function.
- D. Configure the Option 82 field.

Answer: ABC

Question: 220

A TCP connection must be established before LDP session establishment, and the initiator and responder will be selected before a TCP connection is established. On the network shown in the

following figure, which devices will be selected as the TCP initiator? (Multiple Choice)



- A. If the Hello message does not carry the transport address, SWA initiates a TCP connection.
- B. If the Hello message does not carry the transport address, SWB initiates a TCP connection.
- C. If the Hello message carries the transport address, the device with a greater transport address initiates a TCP connection.
- D. If the Hello message carries the transport address, the device with a smaller transport address initiates a TCP connection.

Answer: BC

Question: 221

Which of the following statements regarding the default zone of USG series firewalls is true?

- A. The default zone can be deleted.
- B. The level of the default zone can be changed.
- C. The default zone cannot be deleted, but its level can be changed.
- D. There are four default zones.

Answer: D

Question: 222

The SDN controller can intelligently adjust traffic paths based on the network status, so that can improve the entire network throughput.

- A. TRUE
- B. FALSE

Answer: A

Question: 223

A DHCP server may use different address ranges to allocate IP addresses to clients. Which of the following statements regarding address allocation are true? (Multiple Choice)

- A. IP address that is statically bound with the MAC address of a client in the database of the DHCP sever.

- B. IP address that has been allocated to the client, that is, the IP address in the Requested IP Addr Option of the DHCP Discover packet sent by the client.
 - C. First available IP address found by the server in the DHCP address pool.
- On the DHCP server query Expired and conflicting IP addresses, if you find an available IP address, you can assign.
- D. IP address that once conflicts with the IP address of another client.

Answer: ABCD

Question: 224

During QoS deployment, you can use PBR to perform traffic classification and marking. The ACL rule (source IP address, destination IP address, protocol type, and port number) and packet length can be used for classification. The DSCP priority or IP precedence of data packets can be modified.

- A. TRUE
- B. FALSE

Answer: A

Question: 225

Fast detection technology can rapidly detect communication faults between neighboring devices as soon as possible so that the system can take measures immediately to ensure that services are not interrupted.

- A. TRUE
- B. FALSE

Answer: A

Question: 226

In vAR application scenarios, which functions of the AR Router can be virtualized on a server? (Multiple Choice)

- A. Firewall
- B. VoIP
- C. NAT
- D. VPN

Answer: ABCD

Question: 227

Information security technology problems are mainly technical problems. Information security work

can be done well only by using latest technologies and deploying high-performance devices

- A. TRUE
- B. FALSE

Answer: B

Question: 228

Which of the following statements regarding the ingress node in MPLS forwarding process are correct?

(Multiple Choice)

- A. After receiving a data packet, the ingress node searches for tunnel ID in the ILM table first.
- B. The ingress node finds the NHLFE entry matching the tunnel ID in the ILM table to associate LFIB and NHLFE entries.
- C. The ingress node checks the NHLFE entry to obtain the outbound interface, next hop, outgoing label, and label operation type.
- D. The label operation type is Push.
- E. The ingress node adds the obtained label to the IP packet, processes EXP by QoS policy, processes the TTL, and forwards the encapsulated MPLS packet to the next hop.

Answer: CD

Question: 229

Which information cannot be used for classifying IP packets at the network layer?

- A. Packet length
- B. VLAN ID
- C. Source and destination IP addresses
- D. ToS field

Answer: B

Question: 230

Which of the following statements regarding Huawei eSight network management software is false?

- A. Multiple users can be created for network management.
- B. Users may be asked to log in to eSight from specified IP addresses in specific time ranges.
- C. The administrator can force unauthorized login users to log out.
- D. The login time of the administrator role also can be limited.

Answer: D

Question: 231

What is the characteristic of the stateful inspection firewall?

- A. The processing speed is low.
- B. The processing performance of subsequent packets is good.
- C. It can only detect the network layer.
- D. It detects each packet.

Answer: B

Question: 232

If the DHCP client IP address is not extended after 87.5% of the lease is reached, which packet is used by the client to extend the IP address lease?

- A. DHCP Discover broadcast packet
- B. DHCP Release unicast packet
- C. DHCP Request broadcast packet
- D. DHCP Request unicast packet

Answer: C

Question: 233

In most cases, an IP address that is dynamically assigned by a DHCP server has a lease. Which of the following statements regarding the IP address lease is false?

- A. The lease renewal timer is 50% of the total lease. When the lease renewal timer expires, the DHCP server must renew the IP address lease.
- B. The rebinding timer is 87.5% of the total lease.
- C. If the rebinding timer expires but the DHCP client does not receive any responses from the DHCP server, the DHCP client keeps sending DHCP Request packets to the DHCP server which assigned an IP address to it before, until the total lease expires.
- D. If the DHCP client receives a DHCP NAK packet within the lease, the client stops using the current IP address immediately and returns to the initialization state. The DHCP client then applies for a new IP address.

Answer: C

Question: 234

What is the default sending interval of BFD packets?

- A. 5s
- B. 100ms

- C. 1000ms
- D. 10s

Answer: C

Question: 235

MPLS performs different actions on labels. What is the meaning of the pop action?

- A. The top label is removed from the MPLS label stack.
- B. The top label is added to the MPLS label stack.
- C. The top label is replaced with another value.
- D. The top label is replaced with the label of another group.

Answer: A

Question: 236

The VRID of the VRRP virtual router is 3 and the virtual IP address is 100.1.1.10. What is the virtual MAC address?

- A. 00-00-5E-00-01-64
- B. 00-00-5E-00-01-03
- C. 01-00-5E-00-01-64
- D. 01-00-5E-00-01-03

Answer: B

Question: 237

Which packet information can be marked or re-marked?

- A. DSCP priority, IP precedence, 802.1p priority, and EXP priority
- B. Source and destination addresses, and EXP priority
- C. MAC address
- D. Any packet information

Answer: A

Question: 238

Which configuration modes are supported by VXLAN? (Multiple Choice)

- A. Virtualization software configuration
- B. SDN controller configuration
- C. SNMP configuration

D. Automatic configuration

Answer: AB

Question: 239

BFD uses TCP connections and the destination port number is 3784.

- A. TRUE
- B. FALSE

Answer: B

Question: 240

Which of the following statements regarding MPLS label space is false?

- A. The label space 16-1023 is shared by static LSPs and static CR-LSPs.
- B. The label space 1024 and higher is shared by dynamic signaling protocols, such as LDP, RSVP-TE, and MP-BGP.
- C. When the last hop receives packets with the label control 0, it directly performs IP forwarding or forwards the packets based on the next-layer label.
- D. When the penultimate-hop LSR performs label switching, if it finds that the label value after the switching is 3, then it pops out the label and sends the packet to the last hop.

Answer: C

Question: 241

```
LSRA> mpls lsr-id 1.1.1.9
LSRA> mpls
LSRA> interface g1/0/1/0
LSRA-Mpls100> mpls
LSRA-Mpls100> quit
LSRA> static-lsp ingress static-lsp destination 4.4.4.00 nexthop 10.1.1.2 out-label 20
```

The following figure shows the configuration. Which of the following statements are false? (Multiple Choice)

- A. The mpls lsr-id command configures the LSR ID. This command is the prerequisite for other MPLS commands. By default, this command is not configured.
- B. The mpls command can be run in the system view and interface view to enable MPLS. You can configure a LSR ID after MPLS is enabled.
- C. After MPLS is enabled globally, you do not need to enable MPLS in the interface view again.
- D. The last command configures LSRA as the ingress LSR and creates a static LSP.

Answer: BC

Question: 242

When two devices with the same priority preempt the master, the device which the interface has a smaller IP address should be selected as the master.

- A. TRUE
- B. FALSE

Answer: B

Question: 243

Which of the following is not the default role of Huawei eSight?

- A. Administrator
- B. Monitor
- C. Operator
- D. End-User

Answer: D

Question: 244

Which of the following is not overlay VPN technology?

- A. GRE
- B. IPSec VPN
- C. SSL VPN
- D. L2TPVPN

Answer: D

Question: 245

Which of the following statements regarding ASPF and Servermap are true? (Multiple Choice)

- A. ASPF checks application layer protocol information and monitors the application layer protocol status of connections.
- B. ASPF determines whether data packets can pass the firewall through the dynamically generated ACL.
- C. During configuration of the NAT server, static Servermap entries are generated.
- D. The Servermap table uses the 5-tuple to represent one session.

Answer: AC

Question: 246

Flow mirroring is divided into local flow mirroring and remote flow mirroring.

- A. TRUE
- B. FALSE

Answer: A

Question: 247

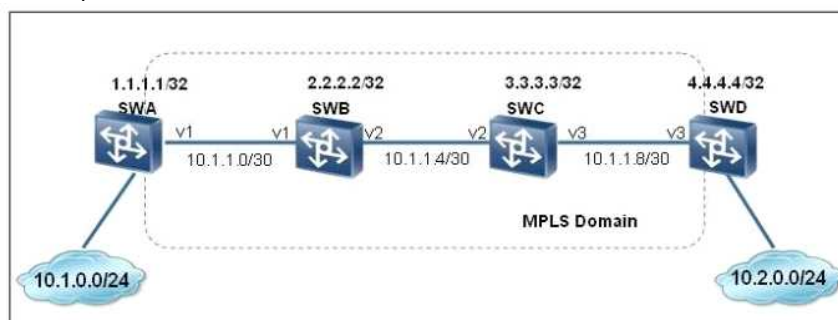
What is the characteristic of the packet filtering firewall?

- A. As the ACL complexity and length increase, the firewall filtering performance deteriorates exponentially.
- B. Static ACL rules cannot adapt to dynamic security filtering requirements.
- C. It is easy for hackers muddle through without check the session state and analyze the data.
- D. It can fully control network information exchange, and Session control is of high security.

Answer: D

Question: 248

MPLS advertise labels in different way. As shown in the following figure, SWB and SWA (as the upstream switch) advertise labels in DU mode. Which of the following statements are true? (Multiple Choice)



- A. SWB sends label mapping messages to SWA even if SWA does not send label request messages to SWB.
- B. SWB does not send label mapping messages to SWA if SWA does not send label request messages to SWB.
- C. SWA sends label mapping messages to SWB even if SWB does not send label request messages to SWA.
- D. SWA does not send label mapping messages to SWB if SWB does not send label request messages to SWA.

Answer: AD

Question: 249

Which of the following statements regarding VRRP is false?

- A. VRRP determines the device role in the virtual router based on device priorities.
- B. If the backup router works in non-preemption mode, the backup router with a higher priority does not become the master router as long as the master router does not fail.
- C. Even if there is the master router, the backup router will preempt to be the master router.
- D. When two routers with the same priority preempt to be the master router, the IP addresses of interfaces are compared. The router with a larger IP address of the interface is selected as the master router.

Answer: C

Question: 250

Which QoS indicator are affected by network congestion? (Multiple Choice)

- A. Transmission delay
- B. Transmission jitter
- C. Transmission bandwidth
- D. Transmission distance

Answer: ABC

Question: 251

On the traditional IP network, the BE mode cannot distinguish communication types or meet requirements of applications. The emergence of QoS technology is committed to solving this problem.

- A. TRUE
- B. FALSE

Answer: A

Question: 252

ASPF enables the firewall to support multi-channel protocols such as FTP and to define security policies for complex applications.

- A. TRUE
- B. FALSE

Answer: A

Question: 253

Congestion management uses queue scheduling to manage and control traffic when traffic congestion occurs.

- A. TRUE
- B. FALSE

Answer: A

Question: 254

The firewall and router can both implement security defense functions and replace each other.

- A. TRUE
- B. FALSE

Answer: B

Question: 255

DHCP snooping is a security feature. Which of the following statements regarding DHCP snooping is false?

- A. The DHCP snooping binding table contains dynamic binding entries and static binding entries.
- B. DHCP snooping distinguishes the trusted interface and untrusted interfaces. Untrusted interfaces do not process DHCP Reply packets.
- C. The static binding table is manually set on the inbound interface and the aging time is also manually set.
- D. When DHCP snooping is used at Layer 2, the interface information also can be obtained for the binding table if the Option 82 function is not configured.

Answer: C

Question: 256

Which of the following statements regarding BFD session establishment is false?

- A. A BFD session can be dynamically established only.
- B. A static BFD session is set up by using commands to manually configure BFD session parameters, including the local discriminator and remote discriminator.
- C. During dynamic establishment of a BFD session, the local discriminator is allocated dynamically.
- D. The system uses discriminators to distinguish static and dynamic BFD sessions.

Answer: A

Question: 257

Which information of labels is used for simple traffic classification?

- A. DSCP priority
- B. IP precedence
- C. MPLS EXP priority
- D. 802.1p priority

Answer: C

Question: 258

Which of the following is correct procedure for a DHCP client to apply for an IP address from a DHCP server?

- ① Host sends a DHCP Request message to request an IP address
- ② DHCP Servers reply with a DHCP Offer message
- ③ Host sends a DHCP Discover message to detect DHCP Servers
- ④ After receiving the DHCP Request message, DHCP Server replies with a DHCP ACK message

- A. 1-2-3-4
- B. 1-4-3-2
- C. 3-2-1-4
- D. 3-4-1-2

Answer: C

Question: 259

An LSR supports various label retention modes. Which of the following statements regarding the liberal mode are true? (Multiple Choice)

- A. An LSR reserves all labels sent by its neighbor.
- B. The liberal mode requires more memory and label space.
- C. An LSR retains labels from a neighboring LSR only when the neighbor is its next hop.
- D. This label retention mode saves the memory and label space.
- E. This label retention mode reduces the LSP convergence time when the IP routes converge and the next hop changes.

Answer: ABE

Question: 260

Congestion means that the service rate is reduced because of insufficient network resources. Congestion avoidance technologies include RED and WRED.

- A. TRUE
- B. FALSE

Answer: A

Question: 261

The E2E delay is the sum of all processing delays and queue delays.

- A. TRUE
- B. FALSE

Answer: B

Question: 262

BFD control packets are encapsulated in UDP packets for transmission. What is the destination port number of multi-hop BFD control packets?

- A. 2784
- B. 3784
- C. 4784
- D. 5784

Answer: C

Question: 263

Which of the following statements regarding the LDP session establishment process are true? (Multiple Choice)

- A. Two LSRs send a Hello message to each other. If the Hello message carries the transport address, the LSR with a greater transport address initiates a TCP connection.
- B. If the Hello Message does not carry the transport address, destination IP addresses of the Hello Message are used to establish a TCP connection. The LSR with the larger IP address initiates a TCP connection.
- C. The initiator sends an Advertisement message to negotiate parameters for establishing an LDP session. These parameters include the LDP version, label distribution control mode, value of the Keepalive timer, maximum length of the PDU, and label space.
- D. If the responder accepts negotiated parameters, it sends an Initialization message and then a Keepalive message to the initiator.

Answer: AD

Question: 264

LR can be used on a physical interface to limit the total rate of sent packets including packets of burst traffic.

- A. TRUE
- B. FALSE

Answer: A

Question: 265

A socket is composed of the 5-tuple. Which of the following options does not belong to the 5-tuple?
Source IP address

- A. Destination interfacec
- B. Source MAC address
- C. Destination IP address
- D. Destination interfacec

Answer: B

Question: 266

What is the broadcast domain of VXLAN called?

- A. Broadcast domain
- B. Switching domain
- C. Bridge domain
- D. VLAN domain

Answer: C

Question: 267

LSRs use various label distribution control modes to set up LSPs. Which of the following statements is false?

- A. There are two label distribution control modes: independent and ordered.
- B. If the label advertisement mode is DU and the label distribution control mode is Independent, an LSR distributes labels without waiting for labels from the downstream device.
- C. If the label advertisement mode is DoD and the label distribution control mode is Independent, the transit device distributes labels only after receiving a label mapping message from the egress device.
- D. If the label advertisement mode is DU and the label distribution control mode is Ordered, the transit LSR distributes labels to the ingress device only after receiving a label mapping message from the egress device.

Answer: C

Question: 268

Which of the following statements regarding the firewall zone security level is false?

- A. The default security level of the new zone is 1.
- B. Only the security level of the user-defined zone can be configured.
- C. The configured security level cannot be changed.
- D. Two zones cannot be configured with the same security level.

Answer: A

Question: 269

Which of the following packets are transmitted in unicast mode during IP address application by the DHCP client and IP address allocation by the DHCP server? (Multiple Choice)

- A. DHCP Offer
- B. DHCP Request
- C. DHCP Discover
- D. DHCPACK

Answer: AD

Question: 270

Which of the following statements regarding the physical topology monitoring function of eSight are true? (Multiple Choice)

- A. eSight displays the layout and status of NEs, subnets, and links on the GUI.
- B. eSight supports visualized monitoring of the network-wide running status.
- C. eSight displays the architecture of the entire network and relationship between network entities.
- D. The physical topology monitoring provides an entry for unified network monitoring, improving O&M efficiency.

Answer: ABCD

Question: 271

```
Switch> dhcp enable
Switch> interface vlanif 100
Switch> vlanif 100> dhcp select relay
Switch> vlanif 100> dhcp relay server-list 192.168.1.1
```

Which of the following statements regarding the switch configuration are true? (Multiple Choice)

- A. By default, the DHCP service must be enabled when you configure the DHCP server and DHCP relay agent.
- B. VLANIF 100 receives DHCP packets and forwards the packets to the external DHCP server through a relay agent.
- C. Specify VLANIF 100 to the DHCP server group dhcpgroup1.
- D. Create a DHCP server group first and add a DHCP server to the group.
- E. By default, DHCP servers on the network are added to dhcpgroup1 automatically.

Answer: ABCD

Question: 272

Which of the following statements regarding data forwarding on a traditional IP network are true? (Multiple Choice)

- A. The traditional IP forwarding is connection-oriented and has low efficiency.
- B. On a traditional IP network, optimal paths are calculated based on the IGP metrics.
- C. All the routers on a traditional IP network need to know routes on the entire network or default routes.
- D. Traditional IP forwarding uses hop-by-hop forwarding.
- E. A traditional IP network cannot provide a good QoS guarantee.

Answer: BCD

Question: 273

When the IP address of an interface on a firewall is pinged/ ping packets are processed by the internal module of the firewall but are not forwarded,

- A. TRUE
- B. FALSE

Answer: A

Question: 274

Administrators can query the online user status on eSight to check whether unauthorized users exist, improving the security monitoring capabilities.

- A. TRUE
- B. FALSE

Answer: A

Question: 275

Which of the following device discovery modes are supported by Huawei eSight network management software? (Multiple Choice)

- A. By specified IP address
- B. By specified IP address segment
- C. By specified product model
- D. Batch import by Excel file (containing specified IP addresses)

Answer: ABD

Question: 276

Which of the following statements regarding the DiffServ service model is false?

- A. You can set QoS parameters in the IP packet header to notify a network node of QoS requirements.
- B. Each device along the transmission path obtains the service requirements type of packets by analyzing the IP packet header.
- C. During DiffServ implementation, the downstream router must classify packets.
- D. The DiffServ service model is based on packet flows.

Answer: C

Question: 277

Which of the following statements regarding the DSCP priority is false?

- A. The first 6 bits of the ToS field (leftmost 6 bits) mark different types of services, namely, DSCP priority.
- B. The DSCP priority can be used to classify traffic into 32 types.
- C. Each DSCP priority corresponds to a Behavior Aggregate (BA), and a PHB can be specified for each BA.
- D. You can use some QoS mechanisms to implement PHB.

Answer: B

Question: 278

What are the common queue scheduling technologies? (Multiple Choice)

- A. FIFO
- B. LR
- C. WRR
- D. CIR
- E. CQ
- F. WFQ

Answer: ACEF

Question: 279

On a carrier's MPLS VPN network, PE1 and PE2 transmit data packets between VPNs. After PE1 receives VPN route 172.16.1.0/24 from a client, it converts the route into a VPNv4 route and distributes label 1027 to the packet. After the packet arrives at PE2, PE2 distributes label 1025 to the packet. When a client on PE2 accesses this route, what are the outer and inner labels in the packet transmitted over the carrier network?

- A. Outer label: 1027; inner label: 1025
- B. Outer label: 1025; inner label: 1025
- C. Outer label: 1027; inner label: 1027
- D. Outer label: 1025; inner label: 1027

Answer: D

Question: 280

In vAR application scenarios, which functions of the AR Router can be virtualized on a server? (Multiple Choice)

- A. Firewall
- B. VoIP
- C. NAT
- D. VPN

Answer: ABCD

Question: 281

A 32-bit MPLS header consists of a 20-bit label used for packet forwarding; A 3-bit EXP field that identifies the IP packet priority; A 1-bit bottom-of-stack flag that identifies the last label; And an 8-bitTTL field. Which statement regarding the TTL field is true?

- A. This field is used to prevent packet forwarding loops, similar to the TTL field in an IP header.
- B. This field is used for label management.

- C. This field used to control the upstream device in label distribution.
- D. This field limitation the LSR.

Answer: A

Question: 282

Which of the following command is used to apply the traffic policy to an interface on an AR router?

- A. traffic-policy pi inbound
- B. traffic classifier pi inbound
- C. traffic behavior pi inbound
- D. services-policy pi inbound

Answer: A

Question: 283

Which of the following are included in the full lifecycle guest management of the Agile Controller?
(Multiple Choice)

- A. Account registration
- B. Account approval and distribution
- C. Account authentication
- D. Account audit and deregistration

Answer: ABCD

Question: 284

Which of the following statements regarding the VRRP master is false?

- A. The VRRP master periodically sends VRRP packets.
- B. The VRRP master uses the virtual MAC address to respond to ARP Request packets destined for the virtual IP address.
- C. The VRRP master forwards IP packets destined for the virtual MAC address.
- D. Even if the router becomes the master, the backup router with a higher priority preempts to be the master.

Answer: D

Question: 285

Which command is used to enable association between BFD and OSPF on all interfaces?

- A. bfd enable

- B. bfd all-interface enable
- C. all-interface bfd enable
- D. undo bfd all-interface disable

Answer: B

Question: 286

On a MPLS network, switches can distribute labels. Which of the following statements regarding label distribution control mode is true?

- A. The downstream LSR determines a label bound to a specific FEC, and then notifies the upstream LSR.
- B. In Downstream on Demand (DoD) mode, an LSR distributes a label to an FEC without having to receive the label request message from its upstream LSR.
- C. In Downstream Unsolicited (DU) mode, an LSR distributes a label to an FEC after receiving a label request message from its upstream LSR.
- D. The upstream LSR and downstream LSR with label advertisement adjacencies may use different label distribution control modes.

Answer: A

Question: 287

Which of the following statements regarding buffer overflow attacks is false?

- A. The buffer overflow attack indicates that an attacker uses defects of memory operations of the software system and runs attack codes with high operation rights.
- B. The buffer overflow attack is irrelevant to the OS vulnerabilities and architecture.
- C. The buffer overflow attack is the most common attack of the software system.
- D. The buffer overflow attack is an application-layer attack.

Answer: B

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