

H12-261.29q

Number: H12-261
Passing Score: 800
Time Limit: 120 min

H12-261



Website: <https://vceplus.com>

VCE to PDF Converter: <https://vceplus.com/vce-to-pdf/>

Facebook: <https://www.facebook.com/VCE.For.All.VN/>

Twitter : https://twitter.com/VCE_Plus

<https://www.vceplus.com/>

HCIE-Routing&Switching (written) (Huawei Certified Internetwork Expert-Routing & Switching)

Exam A

QUESTION 1

Router HW1 is seeing a large number of Discard Eligible (DE) frames. In Frame-relay, as part of the Congestion-Control Mechanism, the DE bit works in conjunction with which of the following mechanisms?

- A. Differentiated Services Code Point (DSCP) settings
- B. Frame-relay Traffic Shaping (FRTS) settings
- C. Class-to-Service (CoS) settings
- D. Type-of-service (ToS) settings
- E. Forward Explicit Congestion Notification (FECN) of Backward Explicit Congestion Notification (BECN) settings

Correct Answer: E

Section: (none)

Explanation

Explanation/Reference:

QUESTION 2

Which parameter will not be received from the root bridge by a non-root bridge running 802.1D STP?

- A. Forward delay
- B. Hello time
- C. Root cost
- D. Hold time
- E. Max Age



Correct Answer: D

Section: (none)

Explanation

Explanation/Reference:

QUESTION 3

Which of the following statements is true about the port mirroring on Huawei devices?



<https://www.vceplus.com/>

- A. Huawei devices support port mirroring on the control traffic sent to the CPU
- B. Huawei devices support flow-based port mirroring. The mirrored traffic can be copied onto multiple observing ports
- C. Traffic in the RSPAN is transmitted to observing ports in multicast mode
- D. When the observing port becomes congested, mirrored packets cannot be discarded because these packets have higher priority than service traffic

Correct Answer: A

Section: (none)

Explanation

Explanation/Reference:



QUESTION 4

If a Gigabit Ethernet port receive buffer becomes full on a LAN switch, what protocol can be used to request that the remote port delay sending frames for a specified time?

- A. 802.3AF
- B. 802.1D
- C. 802.3
- D. 802.3X
- E. 802.1U

Correct Answer: D

Section: (none)

Explanation

Explanation/Reference:

QUESTION 5

Spanning Tree Protocol calculates path cost based on which of the following?

- A. Interface bandwidth
- B. Interface delay
- C. Hop count
- D. Interface bandwidth and delay
- E. Bridge priority

Correct Answer: A

Section: (none)

Explanation

Explanation/Reference:

QUESTION 6

RTA:

```
interface Ethernet0/0
ip address 10.1.1.1 255.255.255.0
interface Ethernet0/1
ip address 30.1.1.1 255.255.255.0
ospf 100
area 0.0.0.0
network 10.1.1.0 0.0.0.255
network 30.1.1.0 0.0.0.255
```

RTB:

```
interface Ethernet0/0
ip address 10.1.1.2 255.255.255.0
interface Ethernet0/1
ip address 20.1.1.2 255.255.255.0
ospf 100
area 0.0.0.0
network 10.1.1.0 0.0.0.255
ospf 200
area 0.0.0.0
network 20.1.1.0 0.0.0.255
```

RTC:

```
interface Ethernet0/0
ip address 30.1.1.2 255.255.255.0
interface Ethernet0/1
ip address 20.1.1.1 255.255.255.0
ospf 200
area 0.0.0.0
network 20.1.1.0 0.0.0.255
network 30.1.1.0 0.0.0.255
```



Based on the preceding networking and configurations, which of the following statements is true?



- A. Route flapping occurs
- B. RTB and RTC cannot establish a neighbor relationship
- C. RTA and RTB cannot establish a neighbor relationship
- D. A neighbor relationship can be established; all network segments are reachable

Correct Answer: D

Section: (none)

Explanation

Explanation/Reference:



QUESTION 7

When a router is building a routing table from different routing protocols, which of the following will determine the routes to be installed in the routing table?

- A. The fastest routing process
- B. uniqueness
- C. Higher preference value
- D. The route with the largest next-hop address
- E. Low Router ID

Correct Answer: C

Section: (none)

Explanation

Explanation/Reference:

QUESTION 8

Routers R1 and R2 are configured for BGP. Both routers are in AS 65234. Routes from Router R2 are in the BGP table on Router R1, but not in the IP routing table. What could be the cause of this problem?

- A. Synchronization is off
- B. BGP multi-hop is disabled on Router R1
- C. The next-hop of these routes can not reach by router R1
- D. The BGP peers are down

Correct Answer: C

Section: (none)

Explanation

Explanation/Reference:

QUESTION 9

If a router receives a BGP route carrying the no-export community attribute, which of the following actions does the router take?

- A. Does not advertise the route to other BGP routers
- B. Discards the route directly
- C. Advertises the route to IBGP peers only
- D. Advertises the route normally, but does not use it to forward data



Correct Answer: C

Section: (none)

Explanation

Explanation/Reference:

QUESTION 10

Which of following statements is true about IS-IS LDP synchronization?

- A. LDP establishes a neighbor relationship faster than IS-IS, so LDP synchronization is disabled by default
- B. LDP synchronization can prevent traffic loss during an active/standby link switchover
- C. LDP synchronization can be enabled globally
- D. LDP synchronization can be configured on Loopback interfaces

Correct Answer: C

Section: (none)

Explanation

Explanation/Reference:

QUESTION 11

When a router within the HW network makes a forwarding decision, the _____ is always used to select the best route from those installed in the routing table.

- A. Routing process ID
- B. Longest prefix match
- C. Administrative Distance
- D. Router ID
- E. Peer ID

Correct Answer: B

Section: (none)

Explanation

Explanation/Reference:



QUESTION 12

Which of the following are found in a basic Network Layer Packet? (Multiple Choice.)

- A. Network Layer Header
- B. Path records
- C. Data Link Layer Header
- D. Upper Layer Data
- E. Network Layer Trailer

Correct Answer: ADE

Section: (none)

Explanation

Explanation/Reference:

QUESTION 13

Two routers configured to run BGP have been connected to a firewall, one on the inside interface and one on the outside interface. BGP has been configured so the two routers should peer, including the correct BGP session endpoint addresses and the correct BGP session hop-count limit (EBGP multihop). What is a good first test to see if BGP will work across the firewall?

- A. There is no way to make BGP work across a firewall without special configuration, so there is no simple test that will show you if BGP will work, other than trying to start the peering session.
- B. Attempt to Telnet from the router connected to the inside of the firewall to the router connected to the outside of the firewall. If Telnet works, BGP will work, since telnet and BGP both use TCP to transport data
- C. There is no way to make BGP work across a firewall
- D. Ping from the router connected to the inside interface of the firewall to the router connected to the outside interface of the firewall. If you can ping between them, BGP should work, since BGP uses IP to transport packets.

Correct Answer: B

Section: (none)

Explanation

Explanation/Reference:

QUESTION 14

Authentication can be configured in the IS-IS protocol to enhance IS-IS security. The IS-IS authentication functions include interface authentication, area authentication, and routing domain authentication.

- A. FALSE
- B. TRUE

Correct Answer: B

Section: (none)

Explanation

Explanation/Reference:

QUESTION 15

Which of the following scenarios can an AS-path-filter be used for? (Multiple Choice)

- A. Apply clauses in a route-policy
- B. Filtering the routes received from a BGP peer based on the as-path attributes of the routes, for example, peer X.X.X.X as path-filter import

- C. Filtering the routes sent to a BGP peer based on the as-path attributes of the routers, for example, peer X.X.X.X as-path-filter export
- D. If-match clauses in a route-policy

Correct Answer: ABC

Section: (none)

Explanation

Explanation/Reference:

QUESTION 16

Which of the following statements are true about RIPng? (Multiple Choice)



- A. RIPng does not have an authentication mechanism
- B. Each RIPng update packet contains a maximum of 25 routes
- C. RIPng supports MD5 authentication
- D. RIPng uses the link local address to send update packets
- E. RIPng supports a maximum of 32 hops

Correct Answer: AD

Section: (none)

Explanation

Explanation/Reference:

QUESTION 17

Which of the following are legal representations of the IPv6 prefix 12AB00000000CD30? (Multiple Choice)

- A. 12AB::CD3::/64
- B. 12AB::CD30/64
- C. 12AB::0000:0000:CD30:0000:0000:0000/64
- D. 12AB:0:0:CD3::/64
- E. 12AB:0:0:CD3/64

Correct Answer: BC

Section: (none)

Explanation

Explanation/Reference:

QUESTION 18

On a RIPv6 network, configure a router to advertise the default route to the entire network. Which of the following configurations is correct?

- A. [Huawei]ripng 1
[Huawei-ripng-1]import-route static cost 2
[Huawei-ripng-1]quit
[Huawei]ipv6 route-static :: 0 NULL0
- B. [Huawei]ripng 1
[Huawei-ripng-1]import-route static cost 2
[Huawei-ripng-1]quit
[Huawei]ipv6 route-static :: 0 2001:19:9
- C. [Huawei]ripng 1
[Huawei-ripng-1] ripng default-route originate
[Huawei-ripng-1]quit
- D. [Huawei]interface GigabitEthernet0/0/1
[Huawei-GigabitEthernet0/0/1]ipv6 enable
[Huawei-GigabitEthernet0/0/1]ipv6 address 2001::12::1/64
[Huawei-GigabitEthernet0/0/1]ripng 1 enable
[Huawei-GigabitEthernet0/0/1]ripng default-route originate
[Huawei-GigabitEthernet0/0/1]quit

Correct Answer: D

Section: (none)

Explanation



Explanation/Reference:

QUESTION 19

Which IPv6 header field has a function similar to that of the "Type of Service" field in an IPv4 header?

- A. Flow Label
- B. Traffic Class
- C. Next Header
- D. Version

Correct Answer: B

Section: (none)

Explanation

Explanation/Reference:

QUESTION 20

Besides an IPv4 address, a router distinguisher (RD) also contains an identifier that distinguishes IP routes to the same destination IP address in different VPNs. How many bits are there in the identifier?

- A. 16
- B. 64
- C. 128
- D. 32

Correct Answer: B

Section: (none)

Explanation

Explanation/Reference:

QUESTION 21

Which of the following statements about penultimate hop popping are true?

- A. It can only be used with LDP
- B. It enables the Edge LSR to request a label pop operation from its upstream neighbors

- C. It is only used when two or more labels are stacked
- D. It is requested through LDP using a special label value that is also called the implicit-null value
- E. It is used only for directly connected subnets or aggregate routes

Correct Answer: BDE

Section: (none)

Explanation

Explanation/Reference:

QUESTION 22

What is the class D IP address range 239.0.0.0-239.255.255.255 used for?

- A. It is a multicast address range used by routing protocols
- B. Any legal multicast data flow and multicast application can use this address segment
- C. Link-local multicast traffic mode up of network control messages meant to stay in the local subnet
- D. It is a locally scoped multicast address and should only be used on local segments
- E. It is an SSM multicast address range which is used on the entire network.

Correct Answer: D

Section: (none)

Explanation

Explanation/Reference:

QUESTION 23

Routers HW1 and HW2 are IP Multicast routers. These routers use (S, G) entries for multicast packet forwarding. Which of the following address types are used in the "S" entry?

- A. The block of administratively scoped multicast addresses
- B. Source Specific multicast addresses
- C. SDP/SAP addresses
- D. Any class A, Class B, or Class C host address
- E. GLOP addresses

Correct Answer: D

Section: (none)

Explanation

Explanation/Reference:

QUESTION 24

Before configuring AAA, you need to define the RADIUS server. The following commands can be used to define it. [Huawei]radius-server template EXAM

[Huawei-radius-EXAM] radius-server shared-key cipher HUAwei123

[Huawei-radius-EXAM] radius-server authentication 10.7.66.66 1812

[Huawei-radius-EXAM] radius-server authorization 10.7.66.66 1812

[Huawei-radius-EXAM] radius-server accounting 10.7.66.66 1813 [Huawei-radius-EXAM] radius-server retransmit 2

A. FALSE

B. TRUE

Correct Answer: B

Section: (none)

Explanation

Explanation/Reference:



QUESTION 25

From the list of applications below, identify the TCP port numbers used for 443, 179,137,110, and 23 in the proper sequence:

A. HTTPS, BGP, NetBios Name Server, POP3, Telnet

B. Finger, DHCP Server, NetBios Name Server, POP3, Telnet

C. BGP, POP3, SNMP, TFTP, Telnet

D. LDAP, SNMP, TFTP, POP3, Telnet

E. HTTPS, SNMP, POP3, DNS, Telnet

Correct Answer: A

Section: (none)

Explanation

Explanation/Reference:

QUESTION 26

Switches use IPSG to verify the source address of IP packets. IPSG obtains the binding table by listening to the address resolution process.

- A. TRUE
- B. FALSE

Correct Answer: B

Section: (none)

Explanation

Explanation/Reference:

QUESTION 27

Which of the following statements are false about Weighted Round Robin (WRR)? (Multiple Choice)

- A. WRR is a congestion management technology
- B. WRR prevents congestion on the network
- C. WRR ensures important traffic being forwarded first
- D. WRR ensures that all queues being serviced
- E. WRR cannot be used on gigabit-ethernet interfaces



Correct Answer: BE

Section: (none)

Explanation

Explanation/Reference:

QUESTION 28

Which of the following statements is false about the DSCP field?

- A. When the DSCP value is EF, data is forwarded in expedited forwarding mode
- B. CS in DSCP classifies data based on eight priorities
- C. DSCP can represent the data priority as well as the packet drop probability
- D. The DSCP value can be 0. When the value is 0, the default packet forwarding mechanism is used

Correct Answer: A

Section: (none)

Explanation

Explanation/Reference:

QUESTION 29

Which of the following statements about VRRP load balancing are false? (Multiple Choice)

- A. When configuring priorities, you must ensure that the same router server as the master router in three VRRP backup groups
- B. To implement load balancing, default network gateways of hosts on a LAN must be configured as IP addresses of different virtual routers
- C. Multiple VRRP backup groups can be created on an interface of a router. The router can serve as the master router in one VRRP backup group and the backup router in other VRRP backup groups.
- D. VRRP local balancing requires that at least two virtual routers transmit services at the same time.

Correct Answer: ABC

Section: (none)

Explanation

Explanation/Reference:



<https://www.vceplus.com/>