

# HCIE-Datacom

1. The DHCP protocol assigns to clients--some TCPIP-related parameter information--in the process DHCP defines a variety of messages that are encapsulated at the transport layer : (sortic).

A. PPP package

B. IP encapsulation

C. TCP Encapsulation

D. UDP Encapsulation

**Answer(s): D**

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2. In different scenarios, RSTP provides different protection functions, and the wrong statement about this statement is

A. The root protection feature is enabled for the specified port, and its port role can only remain as the specified port

B. When the anti-TC-BPDU packet attack feature is enabled, the number of times the switching device processes IC BPDU packets per unit time is configurable

C. after the BPDU protection function is enabled on the switching device, if the edge port receives RST BPDU, the edge port will be set to a non-remote port and the spanning tree calculation will be re-performed

D. Start the specified port of root protection, when the port receives a better RSTBPDU, the port will enter the Discarding state and is no longer forwarding packets. If the port does not receive a better RSTBPD for a period of time then automatically revert to the normal Forwarding state

**Answer(s): C**

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3. In a VXLAN network, traffic is connected to the VXLAN network, and it can also be used to communicate with the same subnet within the same XLAN network

A. NVE interface

B. VXVAN L2 Gateway

C. VXLAN L3 Gateway

D. VLANIF interface

**Answer(s): B**

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4. SSH uses asymmetric encryption algorithms AES and DES to achieve security for data transmission, and uses HMAC to ensure the complete integrity of integer data

A. TRUE

B. FALSE

**Answer(s): A**

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5. Which of the following IEEE standards is specific to Gigabit Ethernet?

A. 8023z

B. 8023ab

C. 8023ad

D. 8023af

**Answer(s): A B**

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6. The BSR/RP mechanism described below describes the correct determination ?( Multiple choice questions).

There can be multiple C-BSRs in the

- A. PIM-SM domain, but only one BSR can be elected.
- B. BSR collects C-RP information by receiving packets of C-RP
- C. BSR advertises BSR and C-RP information to all routers in the PIM-SM domain via flood bootstrap messages
- D. A C-BSR can also collect C-RP information by receiving C-RP packets

**Answer(s):** A B C

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7. MSTP switches treat RSTP switches as MSTP domains, MSTP, which are formed by a single switch. The interchange resolves the RSTBPDU to MSTBPDU, where IRPC is 0

A. True

B. False

**Answer(s):** A

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8. ICMPv6 uses the Type field to identify the message type, and according to the value of the type field, we can divide the ICMPv6 message into two categories, one is the error message and the other is the information message

A. True

B. False

**Answer(s):** A

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9. As a network administrator, which of the following protocols can I use for network device configuration?

A. SSH

B. NETCONF

C. LLDP

D. SNMP

**Answer(s):** B D

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**10.** How do 8021w and 8021D handle BPDUs?( Confirmed) The

A. 8021D bridge only forwards BPDU packets received from the root bridge

B. The 8021D bridge does not forward BPDU messages

C. The 8021w bridge forwards only BPDU packets received from the root bridge

D. 8021w Bridge does not forward BPDU packet

**Answer(s):** A

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**11.** After BGP introduces routes for other protocols, the next hop in the BGP routing table is consistent with the next hop of the introduced routing protocol

A. True

B. False

**Answer(s):** B

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**12.** If the Option field value in the OSPFv3 Hello message issued by the router's Gigabit Ethernet0/0 interface is 0x000013, the following description is correct

A. The Gigabit/thernetO/0/0 interface of Router A adds IPv6 routing to compute

B. Router A's Gigabit/thernetO/0/0 interface belongs to the NSSA zone

C. Router A supports AS-External-LSA flood

D. Router A is an OSPFv3 device with forwarding capability

**Answer(s): A C D**

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**13.** The following description of the link state protocol is plausible?

A. CPU utilization is high and loops are easy to generate

B. Slow convergence and low CPU utilization

C. Fast convergence and low CPU utilization

D. Fast convergence and high CPU utilization

**Answer(s): D**

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**14.** The following description of Filter-Policy is correct?( Radio).

A. With Filter-Policy, on ASBR in OSPF, type5LSA and type7LSA can be applied The build is filtered.

B. Prefix lists can be used to filter both routes and packets.

C. Filter-policy filters the link state information received or published, and can modify the properties of route entries.

D. When filtering routes using the pre-slow list, the table entry ip-prefix deny 0.0.0.0 0 le 32 indicates that only the default route matches

**Answer(s): C**

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**15.** Which of the following messages does the BGP protocol support?

A. Update

B. Open

C. Hello

D. Keepalive

**Answer(s): A B D**

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**16.** Is the following description of ospf virtual links correct?

A. A virtual connection can be established in any area, after which it itself belongs to the region

B. The virtual connection ip is used as the link address

C. Virtual links can be used to solve the problem of zone 0 being segmented

D. The cost of a virtual connection is zero and is the optimal link

**Answer(s): C**

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**17.** XLAN uses BGP EVPN to establish a tunnel, what type of message is used? ( Single choice questions).

A. Type1

B. Type2

C. Type3

D. Type4E. Type5

**Answer(s): C**

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**18.** In RSTP , which port provides a backup path to reach the root node of the spanning tree?  
What state is the port in?

A. Root Port and Listening Status

B. Alternate Port and Forwarding Status

C. Alternate Port and Learning Status

D. Designated port and Listening status

E. Alternate port and Discarding status

**Answer(s): E**

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**19.** IPV6 multicast introduces the concept of multicast scope, which of the following ways is the multicast scope concept implemented? Multi-select

A. When the group shake source sends IP6 multicast data, the TTL value of the packet is set to limit the transmission range of the group shake

B. There is a special field in the IPv6 multicast address that specifies the propagation range of multicast.

C. Multicast scope is just a concept of spreading scope, and there is no specific technical implementation.

D. During network configuration, the administrator uses the configuration command at the edge of the network to limit the multicast scope.

**Answer(s): B D**

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**20.** If a DR needs to be elected between multicast routers running PIM-SM to be responsible for the sending and receiving of source or member multicast data, which one is described correctly below for the DR election rule?

A. PIM routers with long interface masks are elected dr.

B. Compare the DR priority first; With the same priority, you need to compare the interface IP addresses of the PIM routers to elect dr

C. PIM routers with small IP addresses are elected DR. PIM routers with low

D. DR priority values are elected DR.

**Answer(s): B**

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