AUGUST 19, 2023

# HCIA-Datacom V1.0 Exam Questions & Answers – Updated H12-811_V1.0-ENU Dumps V9.02

Are you preparing to take the HCIA-Datacom V1.0 exam? If so, you're probably aware of the importance of having access to reliable exam preparation materials. Fortunately, we've got you covered with our updated Huawei H12-811_V1.0-ENU dumps. We've recently updated our dumps to version 9.02, and they now include a total of 882 practice exam questions and answers. With these HCIA-Datacom V1.0 exam questions and answers, you can be confident that you'll be well-prepared to pass the HCIA-Datacom V1.0 exam on your first try.

## Choose to check the free HCIA-Datacom V1.0 Exam Questions and Answers

**1. When the host accesses the web server of the server, the value of the network layer protocol field is 6.**

True

False

**Answer: True**

**2. A network engineer prompts the following information when entering the command line:**

**Error: Unrecognized command found at '^' position. Which statement is correct about this prompt message?**

A. The input command is incomplete

B. The parameter type is wrong

C. The input command is ambiguous

D. Keyword not found

**Answer: D**

**3. As shown in the figure, there are three data packets captured by the administrator in the network. Which of the following statements is wrong?**

Source destination protocol info
10.0.12.1 10.0.12.2 TCP 50190>telnet [SYN] seq=0 win=8192 Len=0 mss=1460
10.0.12.2 10.0.12.1 TCP telnet>50190 [SYN,ACK] seq=0 Ack=1 win=8192 Len=0 mss=1460
10.0.12.1 10.0.12.2 TCP 50190>telnet [ACK] seq=1 Ack=1 win=8192 Len=0

A. None of the three packets contain application layer data
B. These three data packets represent the three-way handshake process of TCP
C. The telnet client uses port 50190 to establish a connection with the server
D. The IP address of the telnet server is 10.0.12.1, and the IP address of the telnet client is 10.0.12.2

**Answer: A**

**4. On the command line interface of the Huawei AR router, the save command is used to save the current system time.**

True

False

**Answer: False,** "clock save" command is typically used to save the current system time configuration to the router's non-volatile memory (NVRAM)

**5. Which statement about the transport layer protocol is correct? (Multiple choice)**

A. The establishment of a TCP connection is a three-way handshake process, while the termination of a TCP connection requires a four-way handshake
B. UDP uses the SYN and ACK flags to request and confirm connection establishment
C. Well-known port numbers range from 1-1023
D. UDP is suitable for transmitting delay-sensitive traffic and can be reassembled according to the sequence number field in the packet header

**Answer: A, C**

A. **The establishment of a TCP connection is a three-way handshake process, while the termination of a TCP connection requires a four-way handshake.**

- This statement is true. TCP connection establishment involves a three-way handshake (SYN, SYN-ACK, ACK), while connection termination requires a four-way handshake (FIN, ACK, FIN-ACK, ACK).

B. **UDP uses the SYN and ACK flags to request and confirm connection establishment.**

- This statement is false. UDP (User Datagram Protocol) does not use flags like SYN and ACK for connection establishment. UDP is connectionless and does not establish a session before sending data.

C. **Well-known port numbers range from 1-1023.**

- This statement is true. Well-known port numbers are reserved for system services and range from 1 to 1023.

D. **UDP is suitable for transmitting delay-sensitive traffic and can be reassembled according to the sequence number field in the packet header.**

- This statement is false. UDP is indeed suitable for transmitting delay-sensitive traffic due to its low overhead, but unlike TCP, UDP does not support sequencing or reassembly of packets. It is a connectionless protocol that does not provide reliability or flow control mechanisms.

So, the correct statements are A and C.

**6. The tracert diagnostic tool in Huawei routers is used to trace the forwarding path of data.**

True

False

**Answer: True**

**7. In which of the following network types does OSPF need to elect DR and BDR? (Multiple choice)**

A. Broadcast type

B. Point-to-point type

C. Point-to-multipoint

D. NBMA

**Answer: A, D**

In these network types, multiple OSPF routers are connected to a common network segment, and the DR and BDR election process helps optimize OSPF communication by reducing the amount of OSPF routing information exchanged between routers on the segment.

For point-to-point type networks, such as serial links, there is no need for a DR/BDR election because there are only two routers directly connected, and all OSPF routers on such links form full adjacencies with each other.

**8. Which of the following statements about static routing is wrong?**

A. Manual configuration by network administrator

B. Routing information needs to be exchanged between routers

C. Cannot automatically adapt to changes in network topology

D. Low requirements on system performance

**Answer: A, C, D**

B. **Routing information needs to be exchanged between routers:**

- This statement is incorrect. In static routing, routing information is not exchanged between routers. Each router's routing table is manually configured with specific routes to destination networks.

**9. Which frequencies does the IEEE 802.11n standard support? (Multiple choice)**

A. 6GHz

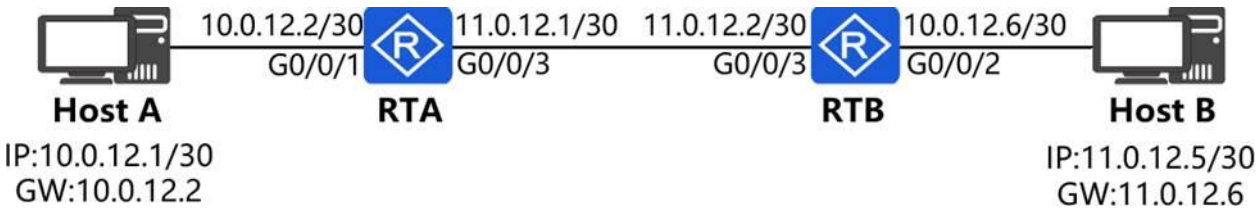
B. 2.5GHz

C. 2.4GHz

D. 5GHz

**Answer: C, D**

**10. In the network shown in the figure below, what commands can be entered on the router to enable host A to ping host B? (Multiple choice)**




A. RTA: ip route-static 0.0.0.0 0.0.0.0 11.0.12.2 RTB: ip route-static 0.0.0.0 0.0.0.0 11.0.12.1
B. RTA: ip route-static 10.0.12.5 255.255.255.252 11.0.12.2 RTB: route-static 10.0.12.1 255.255.255.252 11.0.12.1
C. RTA: ip route-static 0.0.0.0 0.0.0.0 11.0.12.1 RTB: ip route-static 0.0.0.0 0.0.0.0 11.0.12.2
D. RTA: ip route-static 10.0.12.5 255.255.255.252 11.0.12.1 RTB: ip route-static 10.0.12.1 255.255.255.252 11.0.12.2

**Answer: A, B**

**11. On the VRP operating platform, which of the following commands can only view static routes?**

A. display IP routing-table

B. display IP routing-table statistics

C. display IP routing-table verbose
D. display IP routing-table protocol static

**Answer: D**

**12. A router running the OSPF protocol can only reach the FULL state after completing LSDB synchronization.**

True
False

**Answer: True**

In the OSPF (Open Shortest Path First) routing protocol, routers must synchronize their Link State Database (LSDB) before they can reach the FULL state. The LSDB contains information about the network's topology, which OSPF routers use to calculate routes. LSDB synchronization ensures that all routers within an OSPF area have consistent information about the network topology, which is essential for accurate route calculation.

Therefore, routers running OSPF must complete LSDB synchronization before they can achieve

**13. All router interfaces belong to the same broadcast domain.**

True
False

**Answer: False**

In a typical network setup, router interfaces do not belong to the same broadcast domain. Each interface of a router represents a separate network segment or subnet, and by default, routers do not forward broadcast traffic between interfaces. Instead, routers separate broadcast domains, helping to control broadcast traffic and segmenting network traffic into smaller, more manageable parts.

**14. Which of the following protocol types does the OSPF protocol support? (Multiple choice)**

A. Point-to-multipoint
B. Point-to-point type
C. Broadcast type
D. NBMA

**Answer: A, B, C, D**

**15. When using the ping command on the VRP platform, if it is necessary to specify an IP address as the source address of the echo request message, which of the following parameters should be used?**

-d

-a

-s

-n

**Answer: -a**

**<RTA>ping ?**

**-a Select source IP address, the default is the IP address of the output interface**

**-c Specify the number of echo requests to be sent, the default is 5**

**-n Numeric output only. No attempt will be made to lookup host addresses for symbolic names**

**-t Timeout in milliseconds to wait for each reply, the default is 2000ms**

**STRING<1-255> IP address or hostname of a remote system**

**16. Which of the following OSPF protocol packets can ensure the reliability of LSA update?**

A. DD

B. LSR

C. LSU

D. LSACK

**Answer: D**

A. DD (Database Description)

- The Database Description (DD) packets are used during the OSPF neighbor establishment process to exchange summary information about the contents of the router's Link State Database (LSDB). While DD packets are crucial for establishing OSPF neighbor relationships, they do not directly ensure the reliability of LSA updates.

B. LSR (Link State Request)

- Link State Request (LSR) packets are used by OSPF routers to request specific LSAs from their neighbors when they detect missing or outdated information in their LSDB. LSR packets help routers acquire missing LSAs, but they do not directly ensure the reliability of LSA updates.

C. LSU (Link State Update)

- Link State Update (LSU) packets are used to advertise new or updated LSAs to OSPF neighbors. These packets carry the actual LSA information and are crucial for disseminating routing information within an OSPF network. While LSU packets are essential for distributing LSAs, they do not directly ensure their reliability.

D. LSACK (Link State Acknowledgment)

- Link State Acknowledgment (LSACK) packets are used to acknowledge received LSAs. When an OSPF router receives an LSU packet, it sends an LSACK packet back to the sender to acknowledge successful reception. LSACK packets ensure the reliability of LSA updates by confirming successful transmission between OSPF routers.

In summary, while all OSPF protocol packets (DD, LSR, LSU, and LSACK) play important roles in OSPF operation, only LSACK packets directly ensure the reliability of LSA updates by acknowledging successful reception of LSAs. Therefore, the correct answer is D. LSACK.

**17. What are the stable states of the OSPF protocol neighbor relationship? (Multiple choice)**

A. 2-way

B. Full

C. Down

D. attempt

**Answer: A, B, C**

The stable states of the OSPF (Open Shortest Path First) protocol neighbor relationship are:

B. Full

- The Full state indicates that OSPF routers have successfully exchanged their entire Link State Database (LSDB) and are fully adjacent. In this state, routers can exchange routing information and forward traffic.

C. Down

- The Down state indicates that OSPF routers are not able to communicate with each other. This state may occur due to a failure in the underlying network or configuration issues.

**18. Must all interfaces of routers running OSPF belong to the same area.**

True

False

**Answer: False**

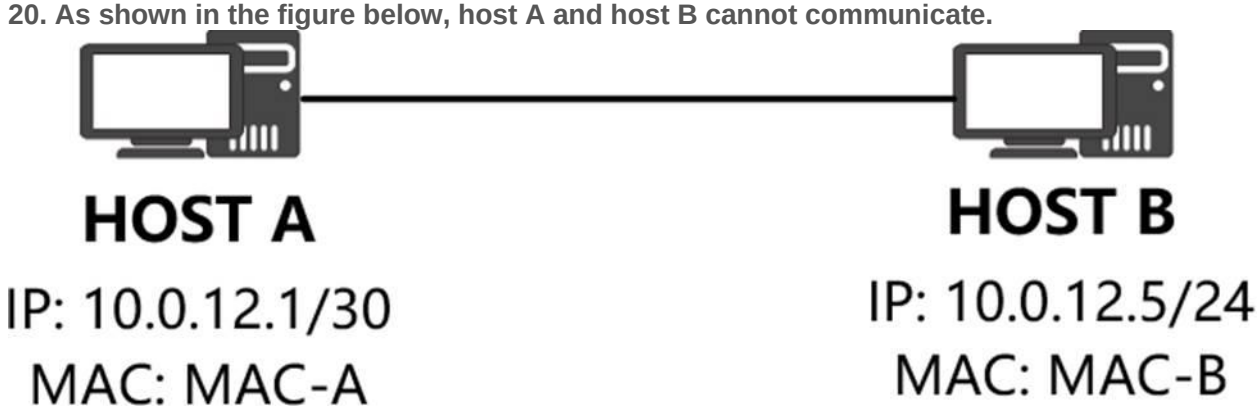
**19. Can dynamic routing protocols automatically adapt to changes in network topology.**

True

False

**Answer: True**

**20. As shown in the figure below, host A and host B cannot communicate.**




True

False

**Answer: True**

**21. As shown in the figure, when the switch needs to forward the frame whose destination mac address is 5489-98ec-f011, which of the following descriptions is correct?**

```
<Huawei>display mac-address
------------------------------------------------------------------------------
MAC address     VLAN/VSI     learned-From     Type
------------------------------------------------------------------------------
5489-98ec-f011     1/—          GE0/18          dynamic
------------------------------------------------------------------------------
Total  items displayed=1
```

A. The switch will send a destination unreachable message to the source device
B. The switch does not find a matching entry in the mac address table, so it will drop the frame

C. The switch needs to send a request to discover the device with the mac address 5489-98ec-f011
D. The switch will flood the frame on all ports except the port that received the frame

**Answer: D**

A. The switch will send a destination unreachable message to the source device.

- This option is incorrect. Destination unreachable messages are typically used in ICMP (Internet Control Message Protocol) to inform the source device that the destination is unreachable, often due to issues like network congestion, unreachable host, or port unreachable. However, in this scenario, the destination MAC address is known to the switch, so there is no need to send a destination unreachable message.

B. The switch does not find a matching entry in the MAC address table, so it will drop the frame.

- This option is incorrect. In the provided MAC address table, there is indeed a matching entry for the destination MAC address 5489-98ec-f011. Therefore, the switch does not need to drop the frame.

C. The switch needs to send a request to discover the device with the MAC address 5489-98ec-f011.

- This option is incorrect. The switch already has an entry for the destination MAC address in its MAC address table, indicating that it has previously learned the MAC address from traffic received on port GE0/18. Therefore, there is no need for the switch to send a request to discover the device.

D. The switch will flood the frame on all ports except the port that received the frame.

- This option is correct. Since the switch has a matching entry for the destination MAC address in its MAC address table, it knows the outgoing port associated with that MAC address. Therefore, it will forward the frame only to the port where the device with that MAC address is connected, instead of flooding it to all ports.

**22. According to the command output shown in the figure, which of the following descriptions is correct? (Multiple choice)**

```
#
interface GigabitEthernet0/0/1
  port link-type trunk
  port trunk allow-pass vlan 2 to 4094
#
```

#

Interface GigabitEthernet0/0/1 Port link-type trunk

Interface GigabitEthernet0/0/1 Port trunk allow-pass VLAN 2 to 4094

#

A. GigabitEthernet0/0/1 allows VLAN1 to pass through
B. GigabitEthernet0/0/1 does not allow VLAN1 to pass through
C. If you want to change GigabitEthernet0/0/1 into an Access port, you first need to use the command "undo port trunk allow-pass vlan all"
D. If you want to change GigabitEthernet0/0/1 into an Access port, you first need to use the command "undo port trunk allow-pass vlan 2 to 4094"

**Answer: B**

A. GigabitEthernet0/0/1 allows VLAN1 to pass through.

- Incorrect. The command output specifies that VLANs 2 to 4094 are allowed to pass through, not VLAN 1.

B. GigabitEthernet0/0/1 does not allow VLAN1 to pass through.

- Correct. The command output does not specify VLAN 1 in the allowed VLAN range, so VLAN 1 is not allowed to pass through this port.

C. If you want to change GigabitEthernet0/0/1 into an Access port, you first need to use the command "undo port trunk allow-pass vlan all".

- Incorrect. This command would remove all VLANs from the allowed VLAN list, but it wouldn't specifically change the port to an Access port.

D. If you want to change GigabitEthernet0/0/1 into an Access port, you first need to use the command "undo port trunk allow-pass vlan 2 to 4094".

- Incorrect. This command would remove VLANs 2 to 4094 from the allowed VLAN list, but it wouldn't specifically change the port to an Access port.

**23. According to the command shown in the figure, which of the following descriptions is correct? (Multiple choice)**

[Huawei- GigabitEthernet0/0/1]Port link-type access

[Huawei- GigabitEthernet0/0/1]Port default VLAN 10

[Huawei- GigabitEthernet0/0/2]Port link-type trunk

[Huawei- GigabitEthernet0/0/2]Port trunk allow-pass VLAN 10

```
[Huawei-GigabitEthernet0/0/1] port link-type access
[Huawei-GigabitEthernet0/0/1] port default vlan 10

[Huawei-GigabitEthernet0/0/2] port link-type trunk
[Huawei-GigabitEthernet0/0/2] port trunk allow-pass vlan 10
```

A. The PVID of port GigabitEthernet0/0/1 is 1
B. The PVID of port GigabitEthernet0/0/2 is 1
C. The PVID of port GigabitEthernet0/0/2 is 10
D. The PVID of port GigabitEthernet0/0/1 is 10

**Answer: C, D**

A. The PVID of port GigabitEthernet0/0/1 is 1.

- Incorrect. The PVID (Port VLAN ID) of GigabitEthernet0/0/1 is specified as VLAN 10, not VLAN 1.

B. The PVID of port GigabitEthernet0/0/2 is 1.

- Incorrect. The PVID of GigabitEthernet0/0/2 is not explicitly specified in the provided command output.

C. The PVID of port GigabitEthernet0/0/2 is 10.

- Correct. The default VLAN (PVID) of GigabitEthernet0/0/2 is not explicitly specified in the command output, but since it's configured as a trunk port and allows VLAN 10 to pass through, it's reasonable to assume that its PVID is 10.

D. The PVID of port GigabitEthernet0/0/1 is 10.

- Correct. The command output explicitly states that the default VLAN (PVID) of GigabitEthernet0/0/1 is VLAN 10.

**24. If the Length/type=0x8100 of an Ethernet data frame, which of the following statements is correct?**

A. The upper layer of this data frame must have a UDP header
B. There must be a TCP header in the upper layer of this data frame
C. This data frame must carry VLAN TAG
D. The upper layer of this data frame must have an IP header

**Answer: C**

A. The upper layer of this data frame must have a UDP header.

- This statement cannot be concluded solely based on the Ethernet frame's Length/Type field being set to 0x8100, which indicates the presence of a VLAN tag. The presence of a VLAN tag does not determine the upper-layer protocol encapsulated within the frame.

B. There must be a TCP header in the upper layer of this data frame.

- Similar to option A, the presence of a VLAN tag does not imply the presence of a TCP header in the upper layer. Therefore, this statement cannot be concluded based on the Length/Type field value of the Ethernet frame.

C. This data frame must carry a VLAN tag.

- This statement is correct. When the Length/Type field of an Ethernet frame is set to 0x8100, it indicates the presence of an IEEE 802.1Q VLAN tag. The VLAN tag contains information such as the VLAN ID, Priority Code Point (PCP), and Drop Eligibility Indicator (DEI).

D. The upper layer of this data frame must have an IP header.

- This statement cannot be deduced solely based on the Length/Type field value of the Ethernet frame. The presence of a VLAN tag does not determine the upper-layer protocol encapsulated within the frame.
- The Ethernet II frame references a hexadecimal type value which identifies the upper layer protocol. One common example of this is the Internet Protocol (IP) which is represented by a hexadecimal value of 0x0800. Since this value for IP represents a value greater than 0x0600, it is determined that the Ethernet II frame type should be applied during encapsulation. Another common protocol that relies on the Ethernet II frame type at the data link layer is ARP, and is represented by the hexadecimal value of 0x0806.

**25. The bridge ID of the STP protocol in the switching network is as follows. Which of the following bridge ID switches will become the root bridge?**

A. 4096 00-01-02-03-04-DD

B. 32768 00-01-02-03-04-AA

C. 32768 00-01-02-03-04-BB

D. 32768 00-01-02-03-04-CC

**Answer: A**

To determine the root bridge, we need to compare the Bridge Priority first. If Bridge Priority is the same, we then compare the MAC addresses.

Among the given options:

- Option A has the lowest Bridge Priority (4096).
- Options B, C, and D have the same Bridge Priority (32768).

**26. Which of the following statements about the election of active ports in link aggregation LACP mode is correct?**

A. Compare the interface priority first, if you cannot determine the superior one, continue to compare the interface number, the smaller the better

B. Only compare interface priorities

C. Compare device priorities

D. Only compare interface numbers

**Answer: A**

In LACP, the election of active ports considers both the interface priority and the interface number. If two ports have the same priority, the port with the smaller interface number is selected as the active port. If the priorities are also the same, then the device priorities may be compared as a tiebreaker. However, comparing device priorities is not as common as comparing interface priorities and numbers.

**27. The MAC address of the existing switch is shown in the figure, which of the following statements is correct?**

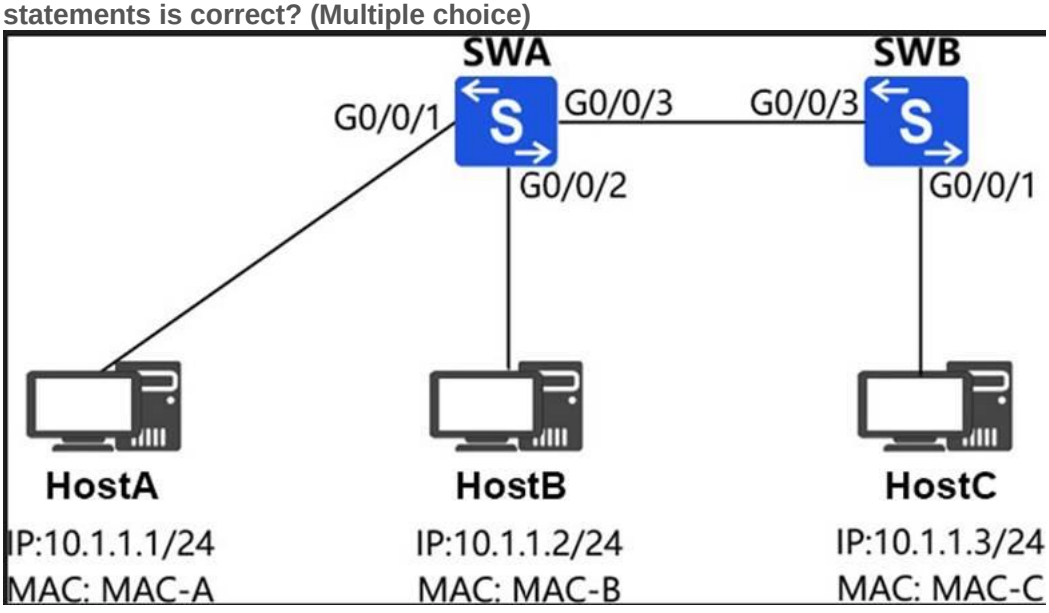
```
<Huawei>display mac-address
MAC address table of slot 0:
------------------------------------------------------------------------------
MAC Address    VLAN/      PEVLAN  CEVLAN  Port        Type       LSP/LSR-ID
               VSI/SI                                            MAC-Tunnel
------------------------------------------------------------------------------
5489-9811-0b49 1          -       -       Eth0/0/3    static     -
------------------------------------------------------------------------------
Total matching items on slot 0 displayed = 1

MAC address table of slot 0:
------------------------------------------------------------------------------
MAC Address    VLAN/      PEVLAN  CEVLAN  Port        Type       LSP/LSR-ID
               VSI/SI                                            MAC-Tunnel
------------------------------------------------------------------------------
5489-989d-1d30 1          -       -       Eth0/0/1    dynamic    0/-
5489-9885-18a8 1          -       -       Eth0/0/2    dynamic    0/-
------------------------------------------------------------------------------
Total matching items on slot 0 displayed = 2
```

A. When the switch restarts, the MAC address learned by port Eth0/0/2 does not need to be relearned
B. The data frame with source MAC address 5489-9885-18a8 and destination MAC address 5489-989d-1d30 learned from the port is forwarded from Eth0/0/1 port
C. The data frame with source MAC address 5489-9811-0b49 and destination MAC address 5489-989d-1d30 learned from the port is forwarded from Eth0/0/2 port
D. When the switch restarts, the MAC address learned by port Eth0/0/3 needs to be relearned.

**Answer: B**

**28. As shown in the figure below, all hosts can communicate normally. Which of the following statements is correct? (Multiple choice)**




A. G0/0/3 of SWB learned 2 mac addresses

B. G0/0/3 of SWA learns a mac address
C. G0/0/3 of SWA learns 2 mac addresses
D. G0/0/3 of SWA learns 3 mac addresses

**Answer: A, B**

**29. Which of the following statements about Hybrid ports is correct?**

A. The Hybrid port can strip the tags of certain vlan frames in the direction of the outgoing port

B. When the Hybrid port sends a data frame, it must carry the vlan tag

C. Hybrid ports only receive data frames with vlan tag

D. Hybrid port does not require PVID

**Answer: A**

A Hybrid port is a type of port on a network switch that can handle both tagged and untagged frames. It is often used to connect to devices that might send traffic belonging to multiple VLANs. Here's an explanation for each option:

A. The Hybrid port can strip the tags of certain VLAN frames in the direction of the outgoing port.

- This statement is correct. Hybrid ports can be configured to strip VLAN tags from certain frames before sending them out of the port. This capability allows the switch to forward traffic to devices that do not understand VLAN tagging.

B. When the Hybrid port sends a data frame, it must carry the VLAN tag.

- This statement is incorrect. Hybrid ports can be configured to send both tagged and untagged frames depending on the network configuration and requirements. They are versatile in handling traffic with or without VLAN tags.

C. Hybrid ports only receive data frames with VLAN tags.

- This statement is incorrect. Hybrid ports can receive both tagged and untagged frames, depending on the configuration and the type of devices connected to them.

D. Hybrid ports do not require PVID.

- This statement is incorrect. Hybrid ports typically do require a Port VLAN ID (PVID) to determine the VLAN to which untagged frames belong. The PVID is used to assign a VLAN to incoming untagged frames on the port.

**30. The function of telnet.read_very_eager in Telnetlib is to read data non-blockingly. Usually needs to be used together with the time module.**

True

False

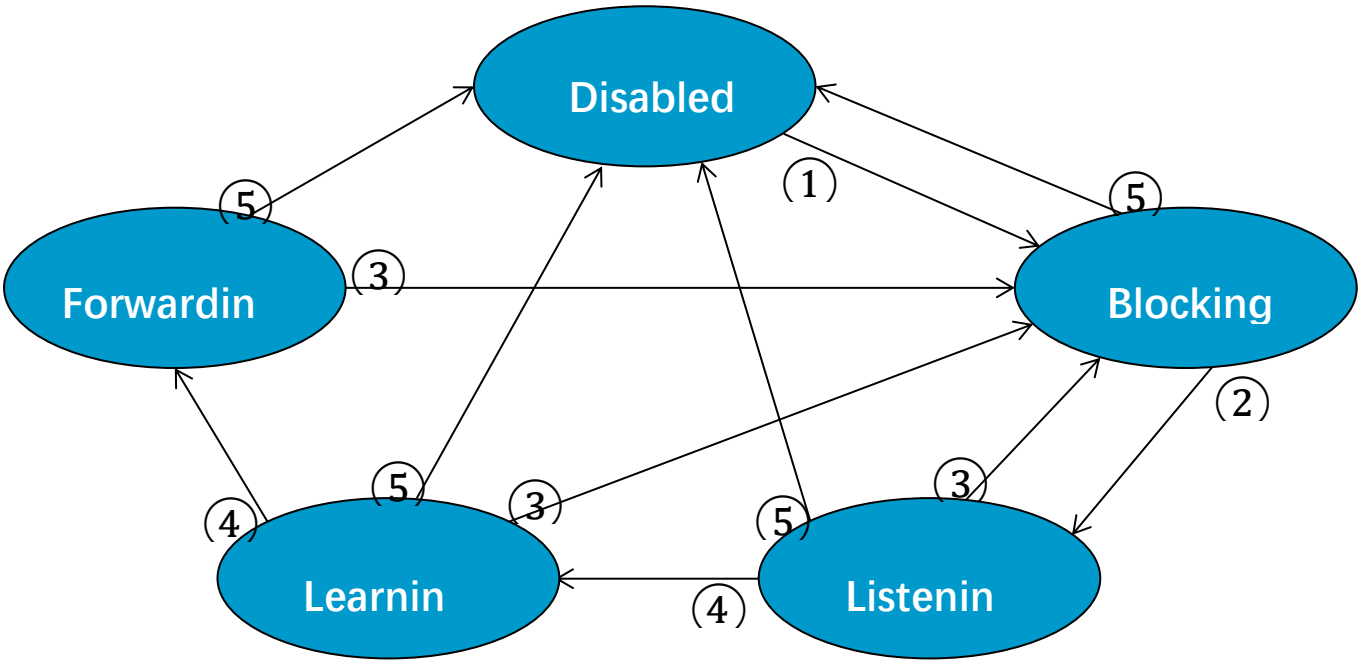
**Answer: True**

**31. For a switch running the STP protocol, the port can be directly converted to the Disabled state in any state.**

True

False

**Answer: True**




**32. The IPv6 address 2001:ABEF:224E:FFE2:BCCO:CDOO:DDBE:8D58 cannot be abbreviated.**

True

False

**Answer: True**

**33. Using the commands "vlan batch 10 20 " and "valn batch 10 to 20 ", what is the number of VLANs that can be created?**

A. 11 and 11

B. 2 and 2

C. 11 and 2

D. 2 and 11

**Answer: D**

**34. The Layer 2 switch belongs to the data link layer device, which can identify the mac address information in the data frame, forward the data according to the mac address, and record these mac addresses and corresponding port information in its own mac address table.**

True

False

**Answer: True**

**35. In the configuration BPDU sent by the switch, which bridge ID cannot appear?**

A. 8192 00-01-02-03-04-CC

B. 2048 00-01-02-03-04-CC

C. 4096 00-01-02-03-04-CC

D. 0 00-01-02-03-04-CC

**Answer: B**

**36. If there is an inclusion relationship in the configured ACL rules, it should be noted that the rule numbers of the strict conditions need to be sorted first, and the rule numbers of the loose conditions need to be sorted last, so as to prevent the packet from stopping to continue matching due to hitting the rules of the loose conditions, thereby Rules that make it impossible to hit strict conditions.**

True

False

**Answer: True**

**37. The network administrator configures the Huawei router RTA as shown in the figure. If a user needs to be authenticated in the authentication domain "huawei", which of the following descriptions is correct?**

**[RTA] aaa**

**[RTA-aaa] domain huawei**

**[RTA-aaa-domain huawei] authentication-scheme au1**

**[RTA-aaa domain-huawei] authentication-scheme au2**

A. will use "authentication-scheme au1" authentication

B. "authentication-scheme au1" authentication will be used, if "au1" is removed, "au2" authentication will be used

C. "authentication-scheme au2" authentication will be used, if "au2" is removed, "au1" authentication will be used

D. will use "authentication-scheme au2" authentication

**Answer: C**

**38. What is the number range of Layer 2 ACL?**

A. 4000-4999

B. 2000-2999

C. 6000-6031

D. 3000-3999

**Answer: A**

| Types | Value Ranges | Parameters |
|---|---|---|
| **Basic** | **2000-2999** | **Source IP** |
| **Advanced** | **3000-3999** | **Source & Destination IP, Protocol, Source & Destination Port** |
| **Layer 2 ACL** | **4000-4999** | **MAC Address** |

**39. What is the number range of the advanced ACL?**

A. 2000-2999

B. 4000-4999

C. 6000-6031

D. 3000-3999

**Answer: D**

**40. If the packet matches the ACL and the result is "deny", the packet will be discarded eventually.**

A. True
B. False

**Answer:** A

**41. Which of the following message types does DHCP contain? (Multiple choice)**

A. DHCP OFFER
B. DHCP REQUEST
C. DHCP ROLLOVER
D. DHCP DISCOVER

**42. What is the main function of the DNS protocol?**

A. File transfer
B. Remote access
C. Domain name resolution
D. Mail transmission

**Answer:** C

**43. Which of the following protocols is not a file transfer protocol?**

A. FTP
B. SFTP
C. HTTP
D. TFTP

**Answer:** C

**44. Only the security policy of WPA2-PSK supports the use of TKIP for data encryption.**

A. True
B. False

**Answer:** B

Explanation: WPA2-PSK (Wi-Fi Protected Access 2 - Pre-Shared Key) supports both TKIP (Temporal Key Integrity Protocol) and AES (Advanced Encryption Standard) for data encryption. While TKIP is primarily associated with WPA (Wi-Fi Protected Access) security, it can also be used with WPA2-PSK. However, AES is the preferred and more secure encryption method for WPA2-PSK networks. Therefore, WPA2-PSK supports both TKIP and AES for data encryption, not just TKIP.

**45. Which of the following does not include the advantages of Wi-Fi6 over Wi-Fi5?**

A. Higher consumption
B. Higher number of access terminals per AP
C. Lower transmission delay
D. Higher bandwidth

**Answer:** A

A. Higher consumption

Explanation: Wi-Fi 6 (802.11ax) offers several advantages over Wi-Fi 5 (802.11ac), including higher efficiency, increased capacity, and improved performance in crowded environments. The options listed as advantages of Wi-Fi 6 over Wi-Fi 5 are:

B. Higher number of access terminals per AP: Wi-Fi 6 supports more simultaneous connections, thanks to technologies like OFDMA and MU-MIMO, allowing for better performance in dense environments.

C. Lower transmission delay: Wi-Fi 6 introduces features like Target Wake Time (TWT) and improved scheduling algorithms, reducing latency and improving responsiveness in wireless networks.

D. Higher bandwidth: Wi-Fi 6 offers higher maximum data rates and better overall throughput compared to Wi-Fi 5, making it suitable for demanding applications and high-speed connections.

Option A, "Higher consumption," is not an advantage of Wi-Fi 6 over Wi-Fi 5. In fact, Wi-Fi 6 is designed to be more power-efficient, leading to improved battery life for connected devices. Therefore, it does not include an advantage of Wi-Fi 6 over Wi-Fi 5.

**46. The port numbers used in the control tunnel and data tunnel transmission of CAPWAP are the same.**

A. True

B. False

**Answer:** B

CAPWAP data and control packets are transmitted on different UDP ports:
▪UDP port 5246 for transmitting control packets
▪UDP port 5247 for transmitting data packets

**47. What is the first operation to be performed after the FIT AP obtains the IP address of the AC?**

A. Establish a CAPWAP tunnel
B. Request a configuration file
C. Download the configuration file
D. Upgrade the software version

**Answer:** A

A. Establish a CAPWAP tunnel

Explanation: After obtaining the AC's (Access Controller) IP address, the first operation performed by the FIT AP (Fat/Fit Access Point) is to establish a CAPWAP (Control and Provisioning of Wireless Access Points) tunnel with the AC. This tunnel allows the AP to communicate with the AC for configuration, management, and control purposes. Once the CAPWAP tunnel is established, further operations such as requesting a configuration file, downloading the configuration file, or upgrading the software version may occur as part of the initialization process, but establishing the CAPWAP tunnel is the initial step.

**48. Before the STA associates with the AP, it needs to exchange some messages to obtain the SSID. Which of the following are these messages? (Multiple choice)**

A. Probe Response
B. Probe Request

C. Beacon
D. Discovery

**Answer:** BC

The messages exchanged by a Station (STA) to obtain the SSID (Service Set Identifier) before associating with an Access Point (AP) include:

B. Probe Request C. Beacon

Explanation:

- Probe Request: A Probe Request is sent by the STA to discover nearby APs. It includes information about the SSID that the STA is looking for.
- Beacon: A Beacon frame is transmitted periodically by APs to advertise their presence and capabilities, including the SSID they are broadcasting.

Options A (Probe Response) and D (Discovery) are not part of the initial exchange for obtaining the SSID:

- Probe Response: This is sent by the AP in response to a Probe Request from the STA, providing information about the network, but it is not part of the initial step for obtaining the SSID.
- Discovery: This term is not typically used in the context of Wi-Fi communication. The process of discovering nearby APs is usually referred to as scanning, which involves sending Probe Requests.

**49. Based on what concept is segment routing SR (segment routing) a protocol designed to forward data packets on the network?**

A. Policy routing
B. Source routing
C. Routing strategy
D. Destination routing

**Answer:** B

Explanation: Segment Routing (SR) is a routing paradigm that leverages the concept of source routing. With SR, the source node of a packet explicitly defines the path that the packet should take through the network by specifying a list of segments (routing instructions) in the packet header. These segments represent the intermediate nodes or hops that the packet should traverse to reach its destination. Therefore, SR allows for flexible and efficient routing of data packets based on predefined paths or policies, making it a suitable protocol for various network scenarios.

**50. In PPP, when the two ends of the communication detect the activation of the physical link, they will transition from the link unavailable stage to the link establishment stage. In this stage, the link parameters are mainly negotiated through the () protocol**

A. IP
B. LCP
C. NCP
D. DHCP

**Answer:** B

Explanation: In the Point-to-Point Protocol (PPP), the link establishment stage involves the negotiation of link parameters between the two communicating devices. This negotiation is primarily conducted using the Link Control Protocol (LCP). LCP is responsible for establishing, configuring, and testing the data link connection between the devices. It ensures that both ends of the PPP link are ready for data transmission by negotiating parameters such as authentication, compression, and the maximum transmission unit (MTU) size. Once the LCP negotiation is successful, the PPP link transitions to the network layer protocol configuration stage, where the Network Control Protocol (NCP) is used to negotiate network layer protocols such as IP. Therefore, the correct answer is option B, LCP.

**New HCIP-Transmission V2.5 Exam Dumps - Get Huawei H31-341_V2.5-ENU Exam Dumps to Make Preparation**

**Huawei H12-311_V3.0-ENU Exam Dumps Updated (V9.02) - Completely Pass HCIA-WLAN V3.0 Exam with Ease**

Tags:H12-811_V1.0, H12-811_V1.0-ENU, H12-811_V1.0-ENU exam dumps

## Related Posts

FREE to test H13-623 HCNP-Storage-CDPS V4.0 exam questions online

Huawei HCIA-IoT V2.5 Certification Exam H12-111_V2.5-ENU Dumps Questions

Huawei H12-322-ENU HCNP-WLAN-POEW exam questions

## About The Author


**Dumps**
From our dumpsbase platform you could search what exams you need then test or practice online by yourself. Download the PDF file if you need directly. Any other questions you can mail support@dumpsbase.com

**1. When the host accesses the web server of the server, the value of the network layer protocol field is 6.**

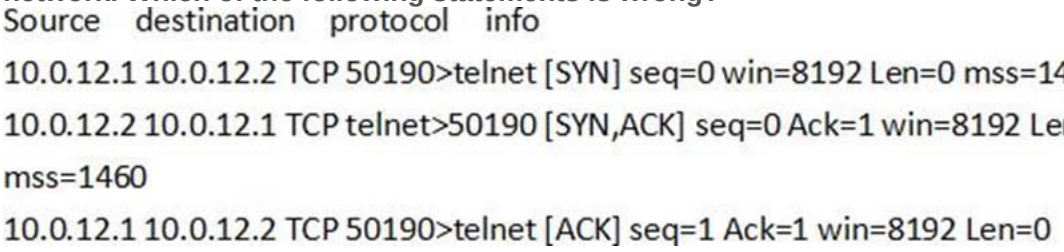
- **True**correct
- False

**2. A network engineer prompts the following information when entering the command line:**

**Error: Unrecognized command found at '^' position. Which statement is correct about this prompt message?**

- **The input command is incomplete**wrong
- The parameter type is wrong
- The input command is ambiguous
- Keyword not foundcorrect

**3. As shown in the figure, there are three data packets captured by the administrator in the network. Which of the following statements is wrong?**




- **None of the three packets contain application layer data**wrong
- These three data packets represent the three-way handshake process of TCP
- The telnet client uses port 50190 to establish a connection with the server
- The IP address of the telnet server is 10.0.12.1, and the IP address of the telnet client is 10.0.12.2correct

**4. On the command line interface of the Huawei AR router, the save command is used to save the current system time.**

- True
- **False**correct

**5. Which statement about the transport layer protocol is correct? (Multiple choice)**

- **The establishment of a TCP connection is a three-way handshake process, while the termination of a TCP connection requires a four-way handshake**correct
- UDP uses the SYN and ACK flags to request and confirm connection establishment
- **Well-known port numbers range from 1-1023**correct
- UDP is suitable for transmitting delay-sensitive traffic and can be reassembled according to the sequence number field in the packet header

**6. The tracert diagnostic tool in Huawei routers is used to trace the forwarding path of data.**

- **True**correct
- False

**7. In which of the following network types does OSPF need to elect DR and BDR? (Multiple choice)**

- **Broadcast type**correct
- **Point-to-point type**wrong
- Point-to-multipoint
- **NBMA**correct

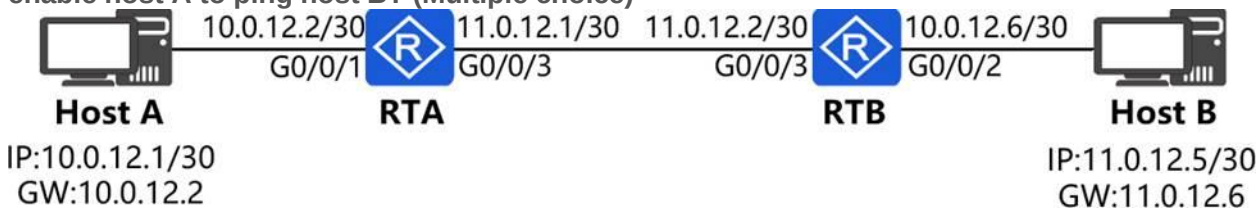
**8. Which of the following statements about static routing is wrong?**

- Manual configuration by network administrator
- **Routing information needs to be exchanged between routers**correct
- Cannot automatically adapt to changes in network topology
- Low requirements on system performance

**9. Which frequencies does the IEEE 802.11n standard support? (Multiple choice)**

- 6GHzcorrect
- 2.5GHz
- **2.4GHz**correct
- **5GHz**correct

**10. In the network shown in the figure below, what commands can be entered on the router to enable host A to ping host B? (Multiple choice)**




- **RTA: ip route-static 0.0.0.0 0.0.0.0 11.0.12.2**
  **RTB: ip route-static 0.0.0.0 0.0.0.0 11.0.12.1**correct
- RTA: ip route-static 10.0.12.5 255.255.255.252 11.0.12.2
  RTB: route-static 10.0.12.1 255.255.255.252 11.0.12.1correct
- RTA: ip route-static 0.0.0.0 0.0.0.0 11.0.12.1
  RTB: ip route-static 0.0.0.0 0.0.0.0 11.0.12.2
- **RTA: ip route-static 10.0.12.5 255.255.255.252 11.0.12.1**
  **RTB: ip route-static 10.0.12.1 255.255.255.252 11.0.12.2**wrong

**11. On the VRP operating platform, which of the following commands can only view static routes?**

- **display IP routing-table**wrong
- display IP routing-table statistics
- display IP routing-table verbose
- display IP routing-table protocol staticcorrect

**12. A router running the OSPF protocol can only reach the FULL state after completing LSDB synchronization.**

- **True**correct
- False

**13. All router interfaces belong to the same broadcast domain.**

- True
- **False**correct

**14. Which of the following protocol types does the OSPF protocol support? (Multiple choice)**

- **Point-to-multipoint**correct
- **Point-to-point type**correct
- **Broadcast type**correct
- **NBMA**correct

**15. When using the ping command on the VRP platform, if it is necessary to specify an IP address as the source address of the echo request message, which of the following parameters should be used?**

- -d
- **-a**correct
- -s
- -n

**16. Which of the following OSPF protocol packets can ensure the reliability of LSA update?**

- DD
- LSR
- LSU

- **LSACK**correct

**17. What are the stable states of the OSPF protocol neighbor relationship? (Multiple choice)**

- 2-waycorrect
- **Full**correct
- **Down**correct
- attempt

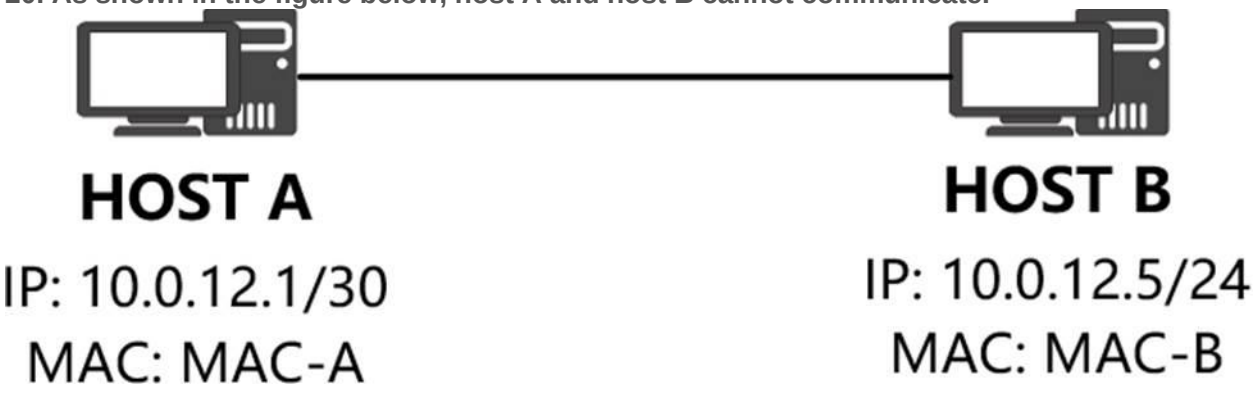
**18. Must all interfaces of routers running OSPF belong to the same area.**

- True
- **False**correct

**19. Can dynamic routing protocols automatically adapt to changes in network topology.**

- **True**correct
- False

**20. As shown in the figure below, host A and host B cannot communicate.**




- **True**wrong
- Falsecorrect

**21. As shown in the figure, when the switch needs to forward the frame whose destination mac address is 5489-98ec-f011, which of the following descriptions is correct?**

```
<Huawei>display mac-address
------------------------------------------------------------------------------
MAC address     VLAN/VSI     learned-From     Type
------------------------------------------------------------------------------
5489-98ec-f011  1/—          GE0/18           dynamic
------------------------------------------------------------------------------
Total  items displayed=1
```

- The switch will send a destination unreachable message to the source device
- The switch does not find a matching entry in the mac address table, so it will drop the frame
- The switch needs to send a request to discover the device with the mac address 5489-98ec-f011

- **The switch will flood the frame on all ports except the port that received the frame**correct

**22. According to the command output shown in the figure, which of the following descriptions is correct? (Multiple choice)**

```
#
interface GigabitEthernet0/0/1
  port link-type trunk
  port trunk allow-pass vlan 2 to 4094
#
```

- GigabitEthernet0/0/1 allows VLAN1 to pass throughcorrect
- **GigabitEthernet0/0/1 does not allow VLAN1 to pass through**wrong
- If you want to change GigabitEthernet0/0/1 into an Access port, you first need to use the command "undo port trunk allow-pass vlan all"
- If you want to change GigabitEthernet0/0/1 into an Access port, you first need to use the command "undo port trunk allow-pass vlan 2 to 4094"correct

**23. According to the command shown in the figure, which of the following descriptions is correct? (Multiple choice)**

```
[Huawei-GigabitEthernet0/0/1] port link-type access
[Huawei-GigabitEthernet0/0/1] port default vlan 10

[Huawei-GigabitEthernet0/0/2] port link-type trunk
[Huawei-GigabitEthernet0/0/2] port trunk allow-pass vlan 10
```

- The PVID of port GigabitEthernet0/0/1 is 1correct
- The PVID of port GigabitEthernet0/0/2 is 1correct
- **The PVID of port GigabitEthernet0/0/2 is 10**wrong
- **The PVID of port GigabitEthernet0/0/1 is 10**correct

**24. If the Length/type=0x8100 of an Ethernet data frame, which of the following statements is correct?**

- The upper layer of this data frame must have a UDP header
- There must be a TCP header in the upper layer of this data frame
- **This data frame must carry VLAN TAG**correct
- The upper layer of this data frame must have an IP header

**25. The bridge ID of the STP protocol in the switching network is as follows. Which of the following bridge ID switches will become the root bridge?**

- **4096 00-01-02-03-04-DD**correct
- 32768 00-01-02-03-04-AA
- 32768 00-01-02-03-04-BB
- 32768 00-01-02-03-04-CC

**26. Which of the following statements about the election of active ports in link aggregation LACP mode is correct?**

- **Compare the interface priority first, if you cannot determine the superior one, continue to compare the interface number, the smaller the better**correct
- Only compare interface priorities
- Compare device priorities
- Only compare interface numbers

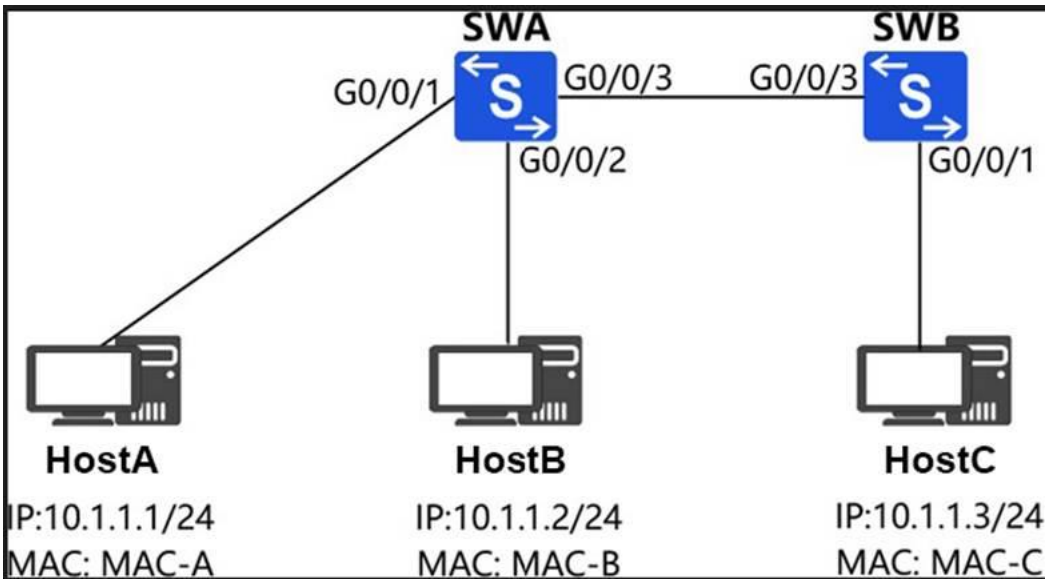
**27. The MAC address of the existing switch is shown in the figure, which of the following statements is correct?**

```
<Huawei>display mac-address
MAC address table of slot 0:
--------------------------------------------------------------------------------
MAC Address    VLAN/      PEVLAN  CEVLAN  Port        Type      LSP/LSR-ID
               VSI/SI                                           MAC-Tunnel
--------------------------------------------------------------------------------
5489-9811-0b49 1          -       -       Eth0/0/3    static    -
--------------------------------------------------------------------------------
Total matching items on slot 0 displayed = 1

MAC address table of slot 0:
--------------------------------------------------------------------------------
MAC Address    VLAN/      PEVLAN  CEVLAN  Port        Type      LSP/LSR-ID
               VSI/SI                                           MAC-Tunnel
--------------------------------------------------------------------------------
5489-989d-1d30 1          -       -       Eth0/0/1    dynamic   0/-
5489-9885-18a8 1          -       -       Eth0/0/2    dynamic   0/-
--------------------------------------------------------------------------------
Total matching items on slot 0 displayed = 2
```

- When the switch restarts, the MAC address learned by port Eth0/0/2 does not need to be relearned
- **The data frame with source MAC address 5489-9885-18a8 and destination MAC address 5489-989d-1d30 learned from the port is forwarded from Eth0/0/1 port**correct
- The data frame with source MAC address 5489-9811-0b49 and destination MAC address 5489-989d-1d30 learned from the port is forwarded from Eth0/0/2 port
- When the switch restarts, the MAC address learned by port Eth0/0/3 needs to be relearned

**28. As shown in the figure below, all hosts can communicate normally. Which of the following statements is correct? (Multiple choice)**




- **G0/0/3 of SWB learned 2 mac addresses**correct
- **G0/0/3 of SWA learns a mac address**correct
- G0/0/3 of SWA learns 2 mac addresses
- G0/0/3 of SWA learns 3 mac addresses

**29. Which of the following statements about Hybrid ports is correct?**

- **The Hybrid port can strip the tags of certain vlan frames in the direction of the outgoing port**correct
- When the Hybrid port sends a data frame, it must carry the vlan tag
- Hybrid ports only receive data frames with vlan tag
- Hybrid port does not require PVID

**30. The function of telnet.read_very_eager in Telnetlib is to read data non-blockingly. Usually needs to be used together with the time module.**

- **True**correct
- False

**31. For a switch running the STP protocol, the port can be directly converted to the Disabled state in any state.**

- **True**correct
- False

**32. The IPv6 address 2001:ABEF:224E:FFE2:BCCO:CDOO:DDBE:8D58 cannot be abbreviated.**

- **True**correct
- False

**33. Using the commands "vlan batch 10 20 " and "valn batch 10 to 20 ", what is the number of VLANs that can be created?**

- 11 and 11
- 2 and 2
- 11 and 2
- **2 and 11**correct

**34. The Layer 2 switch belongs to the data link layer device, which can identify the mac address information in the data frame, forward the data according to the mac address, and record these mac addresses and corresponding port information in its own mac address table.**

- **True**correct
- False

**35. In the configuration BPDU sent by the switch, which bridge ID cannot appear?**

- 8192 00-01-02-03-04-CC
- **2048 00-01-02-03-04-CC**correct
- 4096 00-01-02-03-04-CC
- 0 00-01-02-03-04-CC

**36. If there is an inclusion relationship in the configured ACL rules, it should be noted that the rule numbers of the strict conditions need to be sorted first, and the rule numbers of the loose conditions need to be sorted last, so as to prevent the packet from stopping to continue matching due to hitting the rules of the loose conditions, thereby Rules that make it impossible to hit strict conditions.**

- **True**correct
- False

**37. The network administrator configures the Huawei router RTA as shown in the figure. If a user needs to be authenticated in the authentication domain "huawei", which of the following descriptions is correct?**

**[RTA] aaa**

**[RTA-aaa] domain huawei**

**[RTA-aaa-domain huawei] authentication-scheme au1**

**[RTA-aaa domain-huawei] authentication-scheme au2**

- will use "authentication-scheme au1" authentication
- "authentication-scheme au1" authentication will be used, if "au1" is removed, "au2" authentication will be used
- **"authentication-scheme au2" authentication will be used, if "au2" is removed, "au1" authentication will be used**wrong
- will use "authentication-scheme au2" authenticationcorrect

**38. What is the number range of Layer 2 ACL?**

- **4000-4999**correct
- 2000-2999
- 6000-6031
- 3000-3999

**39. What is the number range of the advanced ACL?**

- 2000-2999
- 4000-4999
- 6000-6031
- **3000-3999**correct

**40. If the packet matches the ACL and the result is "deny", the packet will be discarded eventually.**

- **True**wrong
- Falsecorrect

**41. Which of the following message types does DHCP contain? (Multiple choice)**

- **DHCP OFFER**correct
- **DHCP REQUEST**correct
- DHCP ROLLOVER
- **DHCP DISCOVER**correct

**42. What is the main function of the DNS protocol?**

- File Transfer
- Remote access
- **Domain name resolution**correct
- Mail transfer

**43. Which of the following protocols is not a file transfer protocol?**

- FTP
- SFTP
- **HTTP**correct
- TFTP

**44. Only the security policy of WPA2-PSK supports the use of TKIP for data encryption.**

- True
- **False**correct

**45. Which of the following does not include the advantages of Wi-Fi6 over Wi-Fi5?**

- **Higher consumption**correct
- Higher number of access terminals per AP
- Lower transmission delay
- Higher bandwidth

**46. The port numbers used in the control tunnel and data tunnel transmission of CAPWAP are the same.**

- True
- **False**correct

**47. What is the first operation to be performed after the FIT AP obtains the IP address of the AC?**

- **Establish a CAPWAP tunnel**correct
- Request a configuration file
- Download configuration file
- Upgrade the software version

**48. Before the STA associates with the AP, it needs to exchange some messages to obtain the SSID. Which of the following are these messages? (Multiple choice)**

- Probe Responsecorrect
- **Probe Request**correct
- **Beacon**wrong
- Discovery

**49. Based on what concept is segment routing SR (segment routing) a protocol designed to forward data packets on the network?**

- Policy Routing
- **Source routing**correct
- Routing Policy
- Destination routing

**50. In PPP, when the two ends of the communication detect the activation of the physical link, they will transition from the link unavailable stage to the link establishment stage. In this stage, the link parameters are mainly negotiated through the () protocol**

- IP
- **LCP**correct
- NCP
- DHCP

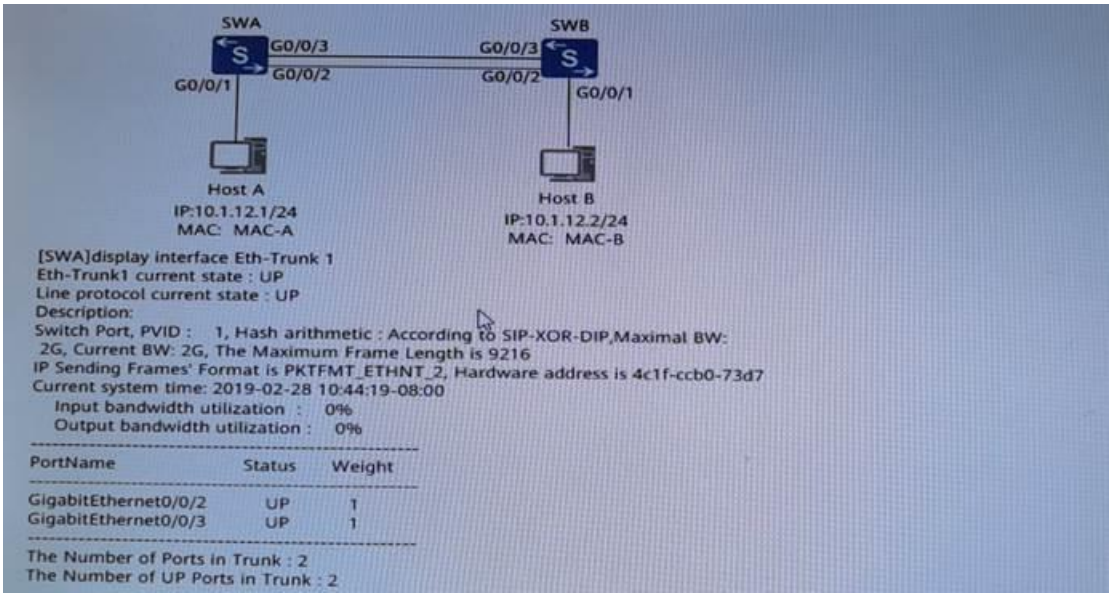
**1. When the Trunk port send the data frame, how to deal with?**

- **When the VLAN ID is the same as the PVID of the port and is a VLAN ID allowed by the port, remove the Tag and send the message**correct
- When the VLAN ID is different from the PVID of the port, the data frame is dropped
- When the VLAN ID is different from the PVID of the port, replace it with PVID forwarding
- When the VLAN ID is different from the PVID of the port, strip off the TAG and forward

**2. How many bits are there in the VLAN ID in the VLAN format defined by IEEE802.1Q?**

- **12**correct
- 6
- 10
- 8

**3. In the network shown in the figure below, the output information of switch A is shown in the figure. Then in the MAC address table of switch A, which interface does the MAC address of host B correspond to?**




- GigabitEthernet 0/0/3
- GigabitEthernet0/0/2
- Eth-Trunk 1correct
- **GigabitEthernet0/0/1**wrong

**4. All ports on the root-bridge switch are designated ports.**

- Truecorrect
- **False**wrong

**5. In the configuration BPDU sent by the switch, which bridge ID is unlikely to appear?**

- 8192 00-01-02-03-04-CC
- 4096 00-01-02-03-04-CC
- 0 00-01-02-03-04-CC
- **2048 00-01-02-03-04-CC**correct

**6. The number of VLANs that can be created using the commands "vlan batch 10 20" and "vlan batch 10 to 20" respectively is**

- 11 and 11
- 11 and 2
- 2 and 2
- **2 and 11**correct

**7. By default, the root path cost of the root bridge in the STP protocol must be 0.**

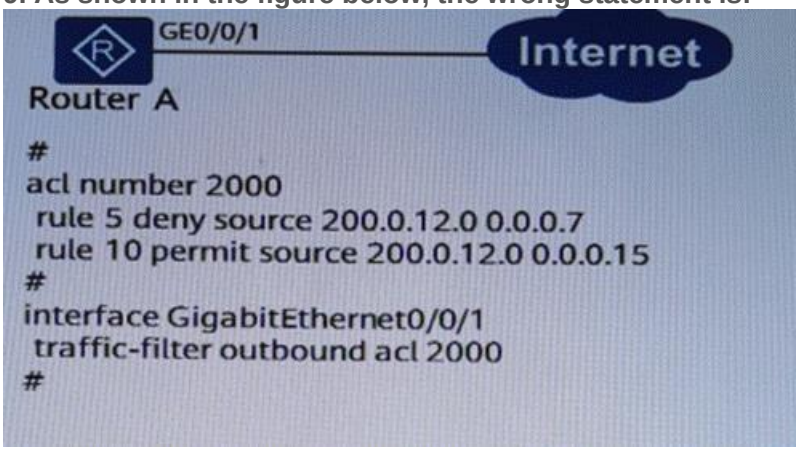
- **True**correct
- False

**8. The administrator wants all hosts to be unable to access the Internet between 8:00-17:00 every day, so which ACL rule needs to be bound to the traffic-filter outbound in the GO/0/1 interface allocation?**

- time-range am9topm5 08:00 to working-day
  Acl number 2003
  rule 5 deny time-range am9topjni5

- time-range am9topm5 08:00 to 17:00 off-day
  #
  acl number 2004
  rule 5 permit time-range
- **time-range am9topm5 08:00 to 17:00 daily**
  **acl number 2001**
  **rule 5 deny time-range am9topm5**correct
- time-range am9topm5 07:00 to 18:00 daily
  Acl number 2002

**9. As shown in the figure below, the wrong statement is:**




**acl number 2000]**

**rule 5 deny source 200.0.12.00.0.0.7 rule 10permit source200.0.12.00.0.0.15 #**

**interface GigabitEthernetO/0/1 traffic-filteroutbound acl2000**

- The host whose source IP address is 200.0.12.4 cannot access the Internet
- The host whose source IP address is 200.0.12.2 cannot access the Internet
- **The host whose source IP address is 200.0.12.8 cannot access the Internet**correct
- The host whose source IP address is 200.0.12.6 cannot access the Internet

**10. On Huawei equipment, if you use aaa authentication for authorization. When the remote server does not respond, you can authorize from the network equipment side.**

- Truecorrect
- **False**wrong

**11. What percentage does the DHCP client expect to send the lease renewal message for the first time?**

- **0.5**correct
- 0.875
- 1
- 0.25

**12. After the administrator successfully logs in to the router through Telnet, and finds that the router's interface IP address cannot be allocated, the possible reasons are ()**

- **The Telnet user level is incorrectly configured**correct
- SNMP parameter is incorrectly configured
- The Telnet user authentication mode is incorrectly configured

- The administrator uses the telnet terminal software to prohibit the corresponding operation

**13. vty configuration as shown in the figure, the user authority level is set to level 3.**

**[Huawei]user-interface vty o 14**

**[Huawei-ul-vtyo-14]acl 200o inbound**

**[Huavei-ui-vtyo-14]user privilege level 3**

**[Huavei-ui-vtyo-14]authentication-node password Please configure the login password (maxim length 16):huawei**

- **False**wrong
- Truecorrect

**14. When AP and AC are on different Layer 3 networks, what method is recommended for AP to discover AC? (Multiple Choice)**

- **Broadcasting method**correct
- **DNS**correct
- **DHCP**correct
- Manually specified on AP

**15. What frequency does IEEE 802.11n support? (Multiple Choice)**

- 2.5GHzcorrect
- **2.4GHz**correct
- **5GHz**correct
- **6GHz**wrong

**16. In IPv4 networks, AP supports static and DHCP methods to obtain IP addresses.**

- **True**correct
- False

**17. What is the maximum negotiation rate supported by the IEEE 802.llg standard?**

- 300Mbps
- 150Mbps
- **54Kbps**correct
- 1200Mbps

**18. Which WLAN security policies support the link authentication method of Open mode? (Multiple Choice)**

- **WPA2-802.IX**correct
- **WPA2-PSK**wrong
- **WEP**correct
- WPAcorrect

**19. Which of the following SNMP packets are sent to the NMS by the Agent on the managed device?**

- Set-Request
- Get-Request
- Get-Next-Request
- **Response**correct

**20. Which field is added to the IPv6 packet header than the IPv4 packet header?**

- Destination Address
- **Flow Label**correct
- Version
- Source Address

**21. Which of the following statements about RA and RS in IPv6 are correct? (Multiple Choice)**

- RS is used to reply address prefix informationcorrect
- RA is used to request address prefix information
- **RS is used to request address prefix information**correct
- **RA is used to reply address prefix information**correct

**22. Telnetlib is a module that implements the Telnet protocol that comes with Python.**

- **True**correct
- False

**23. The controller is the core component of SDN. The controller connects to the device through the southbound interface. Which of the following belong to the controller southbound protocol? (Multiple Choice)**

- **SNMP**correct
- PCEP
- OpenFlowcorrect
- **NETCONF**wrong

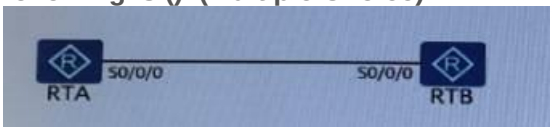
**24. In the campus network, network reliability can be improved by using link aggregation and stacking technology.**

- **True**correct
- False

**25. Using the command mkdir test in the VRP operating platform, the system will create a directory named test.**

- **True**correct
- False

**26. As shown in the figure, after the two routers are configured with OSPF, the administrator configures the <silent -interface s0/0/0> command on RTA, then the correct description of the following is (). (Multiple Choice)**



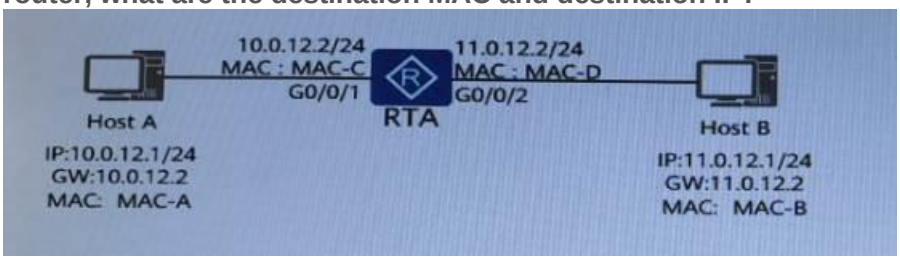

- **The neighbor relationship between the two routers will be down**correct
- The neighbor relationship between the two routers will not be affectedcorrect
- **RTA will no longer send OSPF packets**correct
- RTA will continue to receive, analyze and process OSPF packets sent by RTBcorrect

**27. Which of the following statements about the default route are correct? (Multiple Choice)**

- **If the destination address of the message cannot match any other routing entries in the routing table, the router will forward the message according to the default route**correct
- **There must be a default route in the routing table of any router**wrong

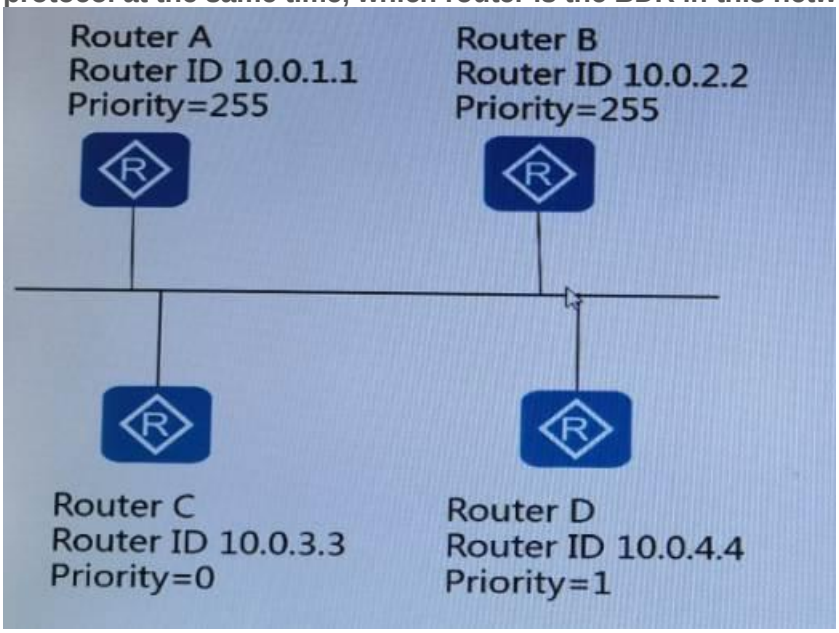
- **The default route can only be manually configured by the administrator**wrong
- **In the routing table, the default route appears as a route to the network 0.0.0.0 (the mask is also 0.0.0.0)**correct

**28. In the network shown in the figure below, the router receives a data packet with a destination IP address of 11.0.12.1 from host A. After this data packet is forwarded by the router, what are the destination MAC and destination IP?**




- MAC-C, 11.0.12.1
- **MAC-D, 10.0.12.2**wrong
- MAC-D, 11.0.12.1correct
- MAC-B, 11.0.12.1

**29. In the network shown in the figure below, assuming that all routers enable the OSPF protocol at the same time, which router is the BDR in this network?**




- **Router D**wrong
- Router B
- Router C
- Router Acorrect

**30. There are multiple route entries to the same destination network in the routing table. These routes are called:**

- Sub-optimal routing
- Multi-path routing
- Default route

- **Equal cost routing**

SEPTEMBER 29, 2021

# Reliable H12-811_V1.0-ENU Dumps Questions For HCIA-Datacom V1.0 Certification

Earning HCIA-Datacom V1.0 certification needs to take and pass H12-811_V1.0-ENU exam successfully. Huawei H12-811_V1.0-ENU dumps questions are reliable, which are provided by the DumpsBase to ensure that candidates can pass HCIA-Datacom V1.0 exam successfully. Latest H12-811_V1.0-ENU dumps contain 590 practice exam questions and answers, candidates who get the pdf file can read all the Q&As to do the best preparation.

## Recommend To Read Huawei HCIA-Datacom V1.0 H12-811_V1.0-ENU Free Dumps

Congratulations - you have completed this exam.

Your answers are shown below:

**1. When the host accesses the web server of the server, the network layer protocol field takes the value 6.**

- **True**correct
- False

**2. A network engineer prompts the following information when entering the command line:**

**Error: unrecognized command found at '^' position.**

**Which of following statement about the prompt information is correct?**

- **The input command is not clear**correct
- Wrong parameter type
- No keyword found
- Input command is incomplete

**3. As shown in the figure, there are three data packets captured by the administrator on the network.**

**Which of the following statements is incorrect?**

Source destination protocol info

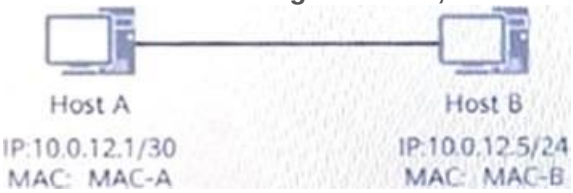
10.0.12.1 10.0.12.2 TCP 50190>telnet [SYN] seq=0 win=8192 Len=0 mss=1460

10.0.12.2 10.0.12.1 TCP telnet>50190 [SYN,ACK] seq=0 Ack=1 win=8192 Len=0 mss=1460

10.0.12.1 10.0.12.2 TCP 50190>telnet [ACK] seq=1 Ack=1 win=8192 Len=0

- **None of these three data packets contain application layer data**wrong
- These three data packets represent the three-way handshake process of TCP
- The telnet client uses port 50190 to establish a connection with the server
- The IP address of the telnet server is 10.0.12.1, and the IP address of the telnet client is 10.0.12.2

**20. As shown in the figure below, host A and host B cannot communicate.**




- **True**wrong
- False

**38. The network administrator configures as shown in the figure on the Huawei router RTA, if a user needs to be authenticated in the authentication domain "huawei", which of the following descriptions is correct?**

**[RTA] aaa**

**[RTA-aaa] domain huawei**

**[RTA-aaa-domain huawei] authentication-scheme au1**

**[RTA-aaa domain-huawei] authentication-scheme au2**

- "authentication-scheme au1" authentication will be used
- "authentication-scheme au1" authentication will be used, if "au1" is deleted, "au2" authentication will be used
- "authentication-scheme au2" authentication will be used, if "au2" is deleted, "au1" authentication will be usedcorrect

**"authentication-scheme au2" authentication will be used**

**NO.132 ####** The information shown in the figure is the port status information displayed on a switch.