

## *Huawei*

*H12-321*

*HCIP - Wireless Local Area Network- Constructing Enterprise WLAN Architecture*

**Questions And Answers PDF Format:**

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*Version = Product*



## Question: 1

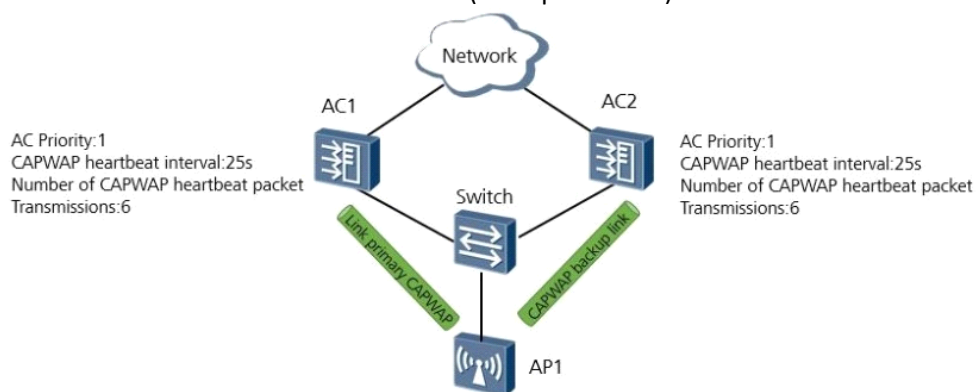
What user identity authentication modes does the Agile Controller support? (Multiple Choice)

- A. Authentication using a common account
- B. Third-party authentication
- C. Authentication using a digital certificate
- D. MAC address bypass authentication

**Answer: ABC**

## Question: 2

In the dual-link cold standby load balancing networking shown in the figure, API has gone online and set up the primary CAPWAP tunnel with AC1. Which of the following are the possible time points will an active/standby switchover occur under normal circumstances after the primary CAPWAP tunnel between API and AC1 is disconnected? (Multiple Choice)



- A. 120 seconds
- B. 130 seconds
- C. 145 seconds
- D. 155 seconds

**Answer: BC**

## Question: 3

Which of the following statements about Option 43 in the N+1 backup networking are TRUE? (Multiple Choice)

- A. After Option 43 is configured, the AP only unicasts Discovery Request messages to the AC's IP addresses carried in Option 43.
- B. If the AC with the IP address carried in Option 43 does not respond, the AP fails to discover the AC.
- C. When configuring Option 43, you need to specify IP addresses of the active and standby ACs for the AP, and IP addresses of the other active ACs.
- D. The command for setting Option 43 on the DHCP server to IP addresses of the active and standby ACs is option 43 sub-option 2 ip-address ip-address &l-8>.

**Answer: AD**

### Question: 4

On WLANs where many users exist, such as WLANs in high density scenarios, users compete fiercely to occupy channels as the number of online users increases. As a result, network quality deteriorates. To ensure network access experience of online users, Calling Access Control (CAC) can be configured. CAC allows an AP to control user access based on the CAC thresholds set according to the radio channel usage, number of online users on a radio, or terminal signal-to-noise ratio (SNR), ensuring network access quality of online users.

- A. TRUE
- B. FALSE

**Answer: A**

### Question: 5

Which of the following STAs does MAC address authentication suit the most?

- A. Office PC running a Windows OS
- B. Testing PC running a Linux system
- C. Mobile terminal, such as a smartphone
- D. Network printer

**Answer: D**

### Question: 6

On a WLAN with the WIDS function enabled, which of the following devices will NOT trigger rogue device alarms after they are identified as rogue devices? (Multiple Choice)

- A. AP

- B. Ad-hoc
- C. Wireless bridge
- D. STA

**Answer: BCD**

### Question: 7

Engineers of a large enterprise configure the VLAN Pool function when deploying the WLAN. Which of the following options may be the reasons for configuring the function? (Multiple Choice)

- A. There are a large number of IP address requests in some areas.
- B. Users request to obtain fixed IP addresses.
- C. To reduce the broadcast domain to limit the number of broadcast packets, thereby to improve the network performance.
- D. Break the limit that one SSID can only correspond to one VLAN.

**Answer: ACD**

### Question: 8

On a WLAN that uses the Agile Controller as the admission control server, which of the following is NOT the cause of 802.1x authentication failures?

- A. The key used by the Agile Controller to connect to the device is different from the key configured on the device.
- B. The accounting interval is not configured.
- C. Port 1813 is used on the server.
- D. The matched authorization rule defines the action "deny".

**Answer: B**

### Question: 9

Which of the following statements about the second Fresnel zone are TRUE? (Multiple Choice)

- A. If the RF signal and primary signal have the same frequency and different phases and the two signals intersect, the RF signal weakens or even offsets the primary signal. Because reflection is one of the factors causing interference to the primary signal, impact of the second Fresnel zone on signals must be considered during evaluation of point-to-point communication links.
- B. If signals in the second Fresnel zone are reflected to the receive end due to the antenna height and terrain, the link quality may degrade.

- C. Impact of the second Fresnel zone should be considered during network planning and troubleshooting, especially in flat and dry environments (such as deserts).
- D. The second Fresnel zone is surrounded by the first Fresnel zone.

**Answer: ABC**

### Question: 10

On a WLAN network, AP group ap-group1 and WIDS profile wids1 are configured. Which of the following is the correct procedure to configure rogue device countermeasure against an AP that forges SSID huawei?

①.  
[AC-wlan-view]wids-spoof-profile  
name spoof  
[AC-wlan-wids-spoof-prof-  
spoof]spoof-ssid fuzzy-match regex  
huawei

②.  
[AC-wlan-view]ap-group name ap-  
group  
[AC-wlan-ap-group-ap-group]radio 0  
[AC-wlan-group-radio-ap-  
group/0]wids contain enable

③.  
[AC-wlan-view]wids-profile name  
wids  
[AC-wlan-wids-prof-wids]contain-  
mode spoof-ssid-ap

④.  
[AC-wlan-view]wids-profile name  
wids  
[AC-wlan-wids-prof-wids]contain-  
mode all

⑤.  
[AC-wlan-view]wids-spoof-profile  
name spoof  
[AC-wlan-wids-spoof-prof-  
spoof] spoof-ssid fuzzy-match ssid  
huawei

- A. ⑤ > ③ > ④
- B. ④ > ③ > ⑤
- C. ⑤ > ④ > ③
- D. ④ > ⑤ > ③

**Answer: C**

### Question: 11

The Agile Controller fails to connect to the AD server during the configuration of the Agile Controller. The AD server IP address and synchronization account and password are all correct, and no additional configuration is performed for the AD server. The configuration is shown in the following figure. What causes the connection failure? (Multiple Choice)

Synchronization Type: By OU

\*Authentication Source Name: Agile

\*Primary Server Address: 172.20.16.181

Secondary Server Address:

\*Port: 398

\*AD Domain Name: AD.huawei.com

\*Base DN: DC=huawei,DC=com

\*Account: administrator

\*Password: \*\*\*\*\*

Service Account(Spn Account):

Service Password:

☐ AD's user pass authentication when AD is malfunction(but Kerberos)

☐ SSL Enable

Note:  
If the system works as the RADIUS server to provide services for network access devices, AD authentication does not support the emergency channel function.

Test OK Cancel

- A. Incorrect synchronization type
- B. Incorrect authentication source name
- C. Incorrect port number
- D. Incorrect base DN r SSL is disabled

**Answer: CD**

## Question: 12

When the STA uses the WPA2-802.1x security policy and supports fast roaming, the STA only needs to perform key negotiation, but does not need to pass 802.1x authentication again during roaming.

- A. TRUE
- B. FALSE

**Answer: A**

### Question: 13

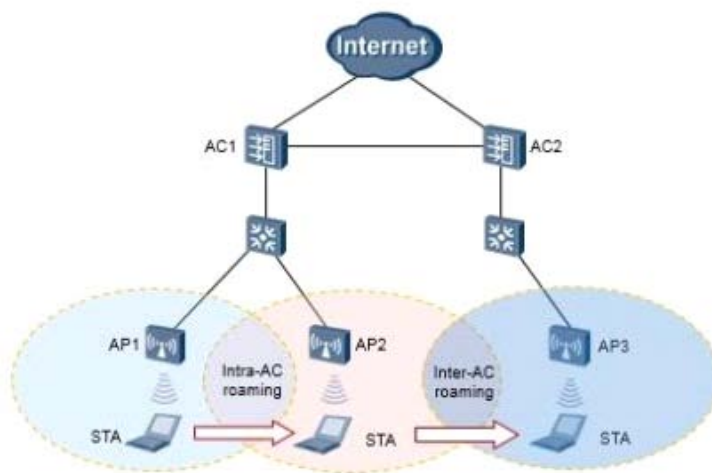
Which of the following statements about HSB channels in HSB mode is FALSE?

- A. It is recommended that an HSB channel between the active and standby ACs be connected through one cable to ensure high reliability.
- B. An HSB group is independent from backup services. An HSB group can work properly with no need to bind to an HSB service.
- C. In VRRP HSB mode, the HSB channel status changes with the VRRP active/standby status.
- D. In dual-link HSB, an HSB channel only functions as a data backup channel and does not have an active/standby status.

**Answer: B**

### Question: 14

Which statements are TRUE based on the network of WLAN roaming? (Multiple Choice)



- A. For intra-AC roaming/ AC1 serves as the HAC for STAs.
- B. For intra-AC roaming, AC2 serves as the FAC for STAs.
- C. For inter-AC roaming, AP1 serves as the HAP for STAs.
- D. For inter-AC roaming, AP3 serves as the FAP for STAs.

**Answer: ACD**

### Question: 15

Which of the following statements about APs and STAs are TRUE during an active/standby switchover in dual-link HSB mode? (Multiple Choice)

- A. APs do not need to go online again.
- B. APs need to go online again.
- C. STAs do not need to go online again.
- D. STAs need to go online again.

**Answer: AC**

### Question: 16

Which of the following statements about the dual-link cold backup networking are TRUE? (Multiple Choice)

- A. An AP sets up a CAPWAP tunnel only with the active AC.
- B. An AP sets up CAPWAP tunnels with both the active and standby ACs.
- C. An AP periodically exchanges CAPWAP packets with both the active and standby ACs to detect link status.
- D. An AP periodically exchanges CAPWAP packets only with the active AC to detect link status.

**Answer: BC**

### Question: 17

Which are the methods to prevent loops on a Mesh network? (Multiple Choice)

- A. STP
- B. TTL
- C. Repeated frame sequence number check
- D. MSTP

**Answer: BC**

### Question: 18

Which role does the Agile Controller serve in wireless access authentication?

- A. AD server
- B. LDAP server
- C. RADIUS server
- D. DNS server



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**Answer: C**

**Question: 19**

The zone surrounding the line of sight (LOS) is called the Fresnel zone, which is also called the RF LOS.

- A. TRUE
- B. FALSE

**Answer: A**

**Question: 20**

If three APs are deployed in a small conference room which can accommodate a maximum of 90 people/ CAC can be configured on each AP to limit the number of associated STAs within 30 and hide its SSID when the number of associated STAs exceeds 30, In this way, load balancing can be achieved among APs.

- A. TRUE
- B. FALSE

**Answer: A**

**Question: 21**

Which roles belong to a Mesh network? (Multiple Choice)

- A. MP
- B. MPP
- C. MAP
- D. VAP

**Answer: ABC**

**Question: 22**

Which of the following statements is FALSE about the AD and LDAP servers?

- A. The AD server is a dedicated directory server for the Windows Server.
- B. LDAP can be installed on the Windows Server.

- C. The AD server uses the AD directory service protocol.  
D. The AD server uses the LDAP directory service protocol.

**Answer: C**

### Question: 23

A company needs to build a large Layer 3 WLAN to cover its office building. There are a large number of employees in the office building and they usually connect to the company WLAN at the entrance and then move to their own work locations.

The company has deployed a wired network and developed a mature wired network management mechanism. The company requires that the newly deployed WLAN be managed and maintained uniformly with the wired network. The IP address of the AC is 172.168.11.1.

Which of the following operations performed by network engineers are CORRECT during WLAN planning?

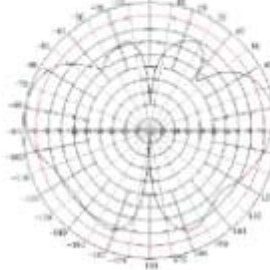
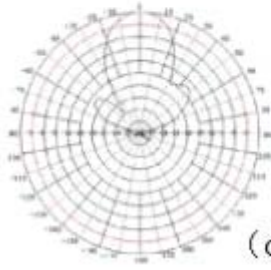
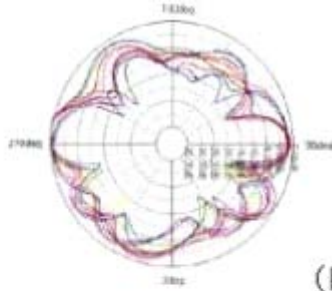
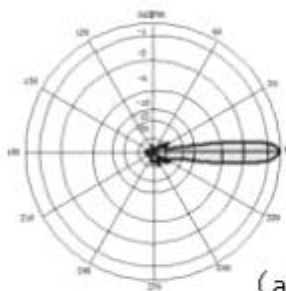
(Multiple Choice)

- A. To facilitate unified wired and wireless network management, adopt the "Chassis switch+ACU2" architecture and configure wired and wireless convergence.  
B. Because the company has a large number of employees and they all connect to the WLAN at the office building entrance, configure VLAN Pool to address the challenge of too many IP address requests in certain areas.  
C. On a large WLAN, an AC manages many APs. To facilitate unified management and maintenance, add APs connected to the AC to the same AP group.  
D. On a Layer 3 WLAN, set the Option 43 field to 030B3137322E3136382E31312E31 on the Windows 2003 DHCP server.

**Answer: BD**

### Question: 24

Which are the omnidirectional antenna patterns? (Multiple Choice)



- A. (a)
- B. (b)
- C. (c)
- D. (d)

**Answer: BD**

### Question: 25

Devices must be added to different groups on the Agile Controller to facilitate rule delivery.

- A. TRUE
- B. FALSE

**Answer: B**

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