



**Vendor:** Huawei

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**Exam Name:** HCIP-WLAN V2.0

**Version:** DEMO

### QUESTION 1

During the STA access process, a link authentication phase is required. During this phase, which of the following security policies supports the shared key authentication mechanism?

- A. WAPI
- B. WFA3
- C. WEP
- D. WPA2

**Answer: C**

### QUESTION 2

The engineer deployed a wireless environment in the customer's existing network. After completing the AP online and service configuration on the wireless controller, he used the terminal to associate the signal and found that the corresponding SSID could not be searched. Which of the following is NOT the cause of this problem?

- A. AP power supply is insufficient
- B. The AP's radio frequencies are all turned off
- C. The test terminal does not support the currently configured country code
- D. The AP's working channel is a radar channel and needs to be silent for a period of time

**Answer: D**

### QUESTION 3

When using WLAN Planner to automatically identify obstacles, which of the following types of drawings does not support the "automatic identification" function as shown in the figure?



- A. PDF
- B. JPG
- C. PNG
- D. CAD

**Answer: D**

#### QUESTION 4

Which of the following tools can be used by users to obtain project information from WLAN Planner through the CloudCampus APP on their mobile phones and view AP location and heat map information on the APP at any time?

- A. Network regulations
- B. Acceptance
- C. AP Calculator
- D. Site Survey

**Answer: A**

#### QUESTION 5

In the outdoor backhaul scenario, which of the following descriptions of the site selection principle is wrong?

- A. If there is other Wi-Fi interference near the site, you can set it to a different channel or coordinate to turn off the interference source.
- B. The site should be selected away from strong electric and magnetic fields
- C. The site should be located in an open area with no obstacles nearby.
- D. If there are obstacles near the site, the height of the pole only needs to be higher than the obstacle.

**Answer: D**

#### QUESTION 6

The terminal dial test report mainly includes three parts: an overview of the evaluation results, an overview of the manufacturer's indicators, and test details. The overview of the manufacturer's indicators mainly displays and analyzes the test results of each test item. Which of the following descriptions of the manufacturer's indicator overview in the test report is wrong?

- A. Manufacturer Index Overview In addition to providing the test results of each test item, it also provides evaluation interpretation and problem location
- B. When the terminal signal strength is greater than or equal to -65dBm, the indicator evaluation result is excellent
- C. When the Ping packet delay is less than or equal to 10ms, the indicator evaluation result is excellent
- D. When the file download rate is greater than or equal to 25 MBps, the indicator evaluation result is excellent

**Answer: D**

#### QUESTION 7

A customer's existing network has many old terminals, and the roaming sensitivity is high. The signal strength is already very low, but the terminal does not start roaming, resulting in a poor terminal experience. The customer requires that the terminal can switch to other APs when the signal strength is lower than -75 dBm, so the weak signal user offline control function is enabled on the wireless controller. Which of the following configuration commands for controlling the offline of weak signal users is correct?

- A. [WAC-wlan-view] rrm-profile name test

- [WAC-wlan-rrm-prof-test] smart-roam quick-kickoff-Threshold enable
- [WAC-wlan-rrm-prof-test] smart-roam quick-kickoff-threshold check-snr
- [WAC-wlan-rrm-prof-test] smart-roam quick-kickoff-threshold snr 75
- B. [WAC-wlan-view] rrm-profile name test
- [WAC-wlan-rrm-prof-test] undo smart-roam quick-kickoff-threshold disable
- [WAC-wlan-rrm-prof-test] smart-roam quick-kickoff-threshold check-snr
- [WAC-wlan-rrm-prof-test] smart-roam quick-kickoff-threshold snr 75
- C. [WAC-wlan-view] rrm-profile name test
- [WAC-wlan-rrm-prof-test] smart-roam quick-kickoff-Threshold enable
- [WAC-wlan-rrm-prof-test] smart-roam quick-kickoff-threshold check-snr
- [WAC-wlan-rrm-prof-test] smart-roam quick-kickoff-threshold snr 20
- D. [WAC-wlan-view] rrm-profile name test
- [WAC-wlan-rrm-prof-test] undo smart-roam quick-kickoff - threshold disable
- [WAC-wlan-rrm-prof-test] smart-roam quick-kickoff-threshold check-snr
- [WAC-wlan-rrm-prof-test] smart-roam quick-kickoff-thresholds nr 20

**Answer: D**

### QUESTION 8

In the Portal authentication scenario, the wireless controller is used as the access device and the Portal protocol is used to communicate with the Portal server. Which of the following descriptions of the Portal protocol is wrong?

- A. By default, the access device listens on port 2000.
- B. By default, the destination port number used by the device to actively send messages to the Portal server is 50100
- C. HTTP/HTTPS protocol can be used as Portal access protocol or Portal authentication protocol
- D. Portal protocol is based on TCP protocol for data transmission

**Answer: D**

### QUESTION 9

An engineer configures the smart roaming policy as follows. Which of the following configuration descriptions is wrong?

```
(WAC>system-view
[WAC]wlan
[WAC-wlan-view]rrm-profile name Smart-roam
[WAC-wlan-rrm-prof-Smart-roam]undo smart-roam disable
[WAC-wlan-rrm-prof-Smart-roam]smart-roam roam-threshold check-rate check-snr
[WAC-wlan-rrm-prof-Smart-roam]smart-roam roam-threshold snr 25
[WAC-wlan-rrm-prof-Smart-roam]smart-roam roam-threshold rate 30
[WAC-wlan-rrm-prof-Smart-roam]smart-roam snr-margin high-level-margin 16 low-level-margin 8
[WAC-wlan-rrm-prof-Smart-roam]quit
```

- A. If the terminal rate is less than 30% of the maximum rate, the smart roaming conditions are met.
- B. If the terminal signal-to-noise ratio is higher than 25dB, then the smart roaming conditions are met.
- C. The high difference threshold for triggering STA roaming guidance is 16dB, and the low difference threshold is 8dB
- D. Smart roaming is triggered by detecting the terminal SNR and the terminal rate.

**Answer: A**

#### QUESTION 10

Which of the following descriptions about 802.11r fast roaming is wrong?

- A. According to the protocol standard definition, 802.11r fast roaming includes Over-the Air and Over-the- DS
- B. 802.11r fast roaming requires the terminal to support the 802.11r protocol
- C. 802.11r fast roaming is applicable to security policies such as WPA2-PSK-AES, WPA2-PPSK-AES,
- D. 802.11r fast roaming omits the key negotiation process through pairwise master key caching technology, thereby reducing roaming delay

**Answer: D**

#### QUESTION 11

Which of the following descriptions about static load balancing is wrong?

- A. Each load balancing group has a maximum of 16 AP members.
- B. If it is a multi-band AP, load balancing can be achieved between radios in different frequency bands.
- C. For agile distributed networking such as central AP+RU, you only need to add the RU's radio to the static load balancing group.
- D. Add some APs that provide the same service to a load balancing group through manual configuration

**Answer: B**

#### QUESTION 12

The wireless terminal migration function can migrate terminals with poor service experience to suitable APs based on the actual WLAN network environment. Terminal migration methods include BTM or deauth.

When the terminal supports which of the following protocols, the AP preferentially uses the BTM method to migrate the terminal?

- A. 802.11r
- B. 802.11i
- C. 802.11k
- D. 802.11v

**Answer: D**

#### QUESTION 13

When planning the network in a sports stadium, there are three main ways to install APs: side installation, ceiling installation, and under-seat installation. Which of the following descriptions of the three installation methods is correct?

- A. When installing under the seat, it is necessary to destroy the existing building surface and add steel pipes for wiring, which is less aesthetically pleasing.
- B. When installing the ceiling, the construction cost is higher for the ceiling with simple structure and high height, but the anti-interference performance is better than the side cover.
- C. When installed on the side, the device is installed at a lower position and there is a risk of being

touched by the audience, but the appearance is good.

- D. The transmission between the terminal and AP in the three installation methods is line-of-sight, and the loss is controllable.

**Answer: A**

#### QUESTION 14

An engineer is optimizing the customer's existing network and finds that the terminal rate is generally low and the experience is not good. Check the working channel of the AP on the device and find that the working channels of all APs are the same.

In view of the above phenomenon, which of the following methods can engineers use to optimize the network?

- A. Enable weak signal user access control
- B. Enable offline control for users with weak signals
- C. Enable automatic RF tuning
- D. Enable load balancing

**Answer: C**

#### QUESTION 15

To prevent non-critical services from occupying too much network resources, QoS policies can be configured in application protocols, namely smart application control SAC. Which of the following descriptions of SAC functions is wrong?

- A. SAC mainly detects and identifies the 4th to 7th layer content and some dynamic protocols (such as HTTP, RTP) in the message, and implements refined QoS policy control based on the classification results
- B. For the identified application protocol packets, their priority can be modified or directly discarded
- C. In roaming scenarios, the SAC policy of the user after roaming is based on the policy issued by the device accessed after roaming.
- D. When a CAPWAP tunnel is established between WAC and AP to centrally forward user messages, the SAC service will be deployed on the AP.

**Answer: C**

#### QUESTION 16

Engineers can export a wireless health report from the CampusInsight platform to analyze the status of the entire wireless network. The health report evaluates each quality indicator. Which of the following quality indicators is not included in the report?

- A. Roaming compliance rate
- B. Access success rate
- C. Device CPU utilization
- D. Access time

**Answer: C**

#### QUESTION 17

Multicast messages are sent at a low rate on the air interface. A large number of such messages

will occupy a large amount of air interface resources, affecting the transmission of normal user service data packets. In scenarios without multicast services, when the service data forwarding method adopts tunnel forwarding, it is recommended to configure multicast message suppression on WAC. Which of the following configuration commands for the multicast packet suppression function is correct?

- A. [WAC-wlan-view] rrm-profile name test  
[WAC-wlan-rrm-prof-test] traffic-optimize multicast-suppression packets 1000
- B. [WAC-wlan-view] traffic-profile name test  
[WAC-wlan-traffic-prof-test] traffic-optimize broadcast-suppression packets 1000
- C. [WAC-wlan-view] traffic-profile name test  
[WAC-wlan-traffic-prof-test] traffic-optimize multicast-suppression packets 1000
- D. [WAC-wlan-view] rrm-profile name test  
[WAC-wlan-rrm-prof-test] traffic-optimize broadcast-suppression packets 1000

**Answer: C**

#### QUESTION 18

During the wireless network optimization process, which of the following tools can be used to assist in optimization in order to understand information such as wireless signal interference, wireless signal strength, and terminal performance in the network?

- A. Terminal dialing tool
- B. Antenna Alignment
- C. iPerf
- D. CloudCampus APP

**Answer: D**

#### QUESTION 19

When planning the network for the stadium stand area, which of the following scenarios is suitable for deploying APs using a combination of edge and ceiling coverage?

- A. The maximum number of seats in a single-tier stand is no more than 20 rows
- B. The maximum number of seats in a single-tier stand is no more than 30 rows
- C. Scenario with more than 30 rows of seats in a single-tier stand
- D. The maximum number of seats in a single-tier stand is no more than 25 rows

**Answer: B**

#### QUESTION 20

Which of the following tools can be synchronized with WLAN Planner to view network planning results on a mobile phone?

- A. eDeskA
- B. CloudCampus APP
- C. WLAN Tester 2.0
- D. Antenna Alignment

**Answer: B**

**QUESTION 21**

RF tuning is a RF resource management solution that enables wireless networks to quickly adapt to changes in the wireless environment. Which of the following does the RF tuning process not include?

- A. Channel Adjustment
- B. Neighbor Detection
- C. Load Balancing
- D. Power adjustment

**Answer: C**

**QUESTION 22**

Which of the following protocols defines the standards and specifications of Mesh technology?

- A. 802.11s
- B. 802.11i
- C. 802.11r
- D. 802.11e

**Answer: A**

**QUESTION 23**

In an N+1 backup scenario, the switchover between the primary and backup WACs is determined by the AP. By default, if the AP does not receive a CAPWAP heartbeat detection message from the primary WAC within how many seconds, the primary and backup switchover will be triggered?

- A. 180
- B. 150
- C. 90
- D. 75

**Answer: B**

**QUESTION 24**

By default, how many users can LeaderAP support to log in through the Web management method at the same time?

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

**Answer: A**

**QUESTION 25**

In a Portal authentication scenario, which of the following devices cannot be used as a Portal



authentication server?

- A. Switch
- B. iMaster NCE-Campus
- C. WAC
- D. General purpose web server

**Answer: A**

#### QUESTION 26

Roaming switching time is a core indicator that affects the service experience of wireless users during roaming. PMK fast roaming can shorten the roaming delay of 802.1x users and improve the user's Internet experience.

So PMK roaming reduces the user's roaming delay in which of the following ways?

- A. Omitting the key negotiation process
- B. Omitting the 802.1X authentication process
- C. The user re-association process is omitted
- D. Omitted the 802.1X authentication process and key negotiation process

**Answer: B**

#### QUESTION 27

When an engineer is optimizing the network, in order to prevent non-critical services from occupying too much network resources, he configures the QoS function based on the application protocol. The specific configuration is as follows.

```
[WAC] wlan
[WAC-wlan-view] sac-profile name wlan-sac
[WAC-wlan-sac-prof-wlan-sac] vap-protocol-statistic enable
[WAC-wlan-sac-prof-wlan-sac] application-group instant_message app-protocol skypeforbusiness remark dscp 4
[WAC-wlan-sac-prof-wlan-sac] application-group voip app-protocol facetime deny
[WAC-wlan-sac-prof-wlan-sac] quit
```

Which of the following descriptions of configuration is wrong?

- A. All apps in the specified app list discard FaceTime messages
- B. SkypeForBusiness's DSCP priority is 40
- C. You can view user-based protocol statistics
- D. You can view protocol statistics based on VAP

**Answer: D**

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