HUAWEI

Exam Questions H12-311

HCNA-WLAN - Wireless Local Area Network

NEW QUESTION 1
IEEE is the standard organization responsible for the use of wireless frequencies in the United States.

A. True
B. False

Answer: B

NEW QUESTION 2
Which of the following protocols support the 2.4 GHz band (Select 3 Answers)?

A. 802.11a
B. 802.11b
C. 802.11g
D. 802.11n

Answer: BCD

NEW QUESTION 3
How many channels does China support in the 2.4 GHz band?

A. 11
B. 13
C. 3
D. 5

Answer: B

NEW QUESTION 4
What is the distance between the center frequencies of the channels in the 2.4 GHz band?

A. 20 MHz
B. 22 MHz
C. 5 MHz
D. 10 MHz

Answer: C

NEW QUESTION 5
What is the bandwidth of each channel in the 802.11g band?

A. 25 MHz
B. 20 MHz
C. 50 MHz
D. 22 MHz

Answer: B

NEW QUESTION 6
Which of the following technologies works at 5 GHz (Select 2 Answers)?

A. Radar
B. Bluetooth
C. Infrared
D. Digital Satellite

Answer: AD

NEW QUESTION 7
The BSSID is actually the MAC address of the AP and is used to identify the BSS managed by the AP.

A. True
B. False

Answer: B

NEW QUESTION 8
Huawei's AP products can only support one SSID.

A. True
B. False

Answer: B

NEW QUESTION 9
What is the Chinese name of SSID?

A. Basic service set
B. Basic service area
C. Extended service set
D. Service set identifier

Answer: D

NEW QUESTION 10
An infrastructure-mode network consisting of multiple APs and distributed systems that connect them, also known as what?

A. Basic service set
B. Basic service area
C. Extended service set
D. Extended service area

Answer: C

NEW QUESTION 10
What is the area covered by a single AP?

A. BSA
B. ESA
C. SSA
D. TSA

Answer: A

NEW QUESTION 11
BSS is called Basic Service Set, and BSS can be divided into Independent BSS and Infrastructure BSS.

A. True
B. False

Answer: A

NEW QUESTION 13
What is the wireless client's active scanning to get the surrounding wireless network information by sending frames?

A. Beacon frame
B. Probe Request frame
C. Authentication Request frame
D. Association Request frame

Answer: B

NEW QUESTION 17
Which of the following standards organizations is proposed by the CAPWAP protocol?

A. FCC
B. IETF
C. CCC
D. ETSI

Answer: B

NEW QUESTION 20
The Barker code is an 11-bit sequence (for example, 10110111000), which has advantages in wireless transmission, which can effectively reduce interference, but reduces efficiency.

A. True
B. False

Answer: A

NEW QUESTION 22
802.11b is a protocol based on Orthogonal Frequency Division Multiplexing (OFDM) technology.

A. True
B. False

Answer: B

NEW QUESTION 23
In a point-to-multipoint networking environment, one device acts as a central device, and all other devices establish wireless bridges with the central device to interconnect multiple networks. The disadvantage is that the interworking of multiple branch networks requires data forwarding through the central bridge device.

A. True
B. False

Answer: A

NEW QUESTION 27
Which of the following rates is not the rate supported by the 802.11a protocol?

A. 6Mbps
B. 12Mbps
C. 24Mbps
D. 30Mbps

Answer: D

NEW QUESTION 30
A company wants to deploy WLAN. The company has purchased a number of wireless APs that support 802.11n. When the WLAN is deployed, only 802.11n wireless clients can connect to the company's WLAN.

A. True
B. False

Answer: B

NEW QUESTION 31
In the 802.11 frame, which address bit of the Address bit represents the address of the frame receiving end?

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

Answer: A

NEW QUESTION 34
Which is the longest interval between 802.11 frames?

A. SIFS
B. IFS
C. DIFS
D. PIFS

Answer: C

NEW QUESTION 36
In the WDS deployment, which types of bridge networking modes are included (Select 3 Answers)?

A. Point-to-point mode
B. Point-to-multipoint mode
C. Relay bridge mode
D. Multi-point to multi-point mode

Answer: ABC

NEW QUESTION 41
What is correct in the following options (Select 3 Answers)?

A. SSID technology can divide a wireless local area network into several sub-networks that require different authenticatio
B. Each sub-network needs independent authenticatio
C. Only authenticated users can enter the corresponding sub-network to prevent unauthorized acces
D. The user enters the network.
E. The BSSID is actually the MAC address of the AP, which is used to identify the BSS managed by the AP, and maps the BSSID and SSID in the same AP.
F. Users can implement roaming under different SSIDs.
G. The SSID is the same in an ESS, but the BSSID corresponding to each AP in the ESS is differen
H. If an AP can support multiple SSIDs at the same time, the AP will assign different BSSIDs to correspond to these SSIDs.

Answer: ABD

NEW QUESTION 45
When a data frame is sent and acknowledged, what is the time interval to wait before the next data frame is sent ()?

A. SIFS
B. IFS
C. DIFS
D. PIFS

Answer: C

NEW QUESTION 48
What are the rates that 802.11g can support?

A. 1,2,5.5,11&6,9,12,18,24,30,36,48,54 Mbps
B. 6,9,12,18,24,36,48,54 Mbps
C. 1,2,5.5,11&6,9,12,18,24,36,48,54 Mbps
D. 6,9,12,18,24,30,36,48,54 Mbps

Answer: C

NEW QUESTION 49
What is the command for the Huawei AC6605 to switch between the wired side and the wireless side?

A. Ctrl+B
B. Ctrl+X
C. Ctrl+Y
D. Ctrl+Z

Answer: B

NEW QUESTION 53
Which of the following is the command to restart the AC6605?

A. <Quidway> reload
B. <Quidway> reboot
C. [Quidway]reload
D. [Quidway] reboot

Answer: B

NEW QUESTION 55
Regarding the telnet management of the AC6605, the following statement is wrong.

A. telnet is a way to remotely manage AC The
B. telnet service is disabled by default on the AC The
C. telnet service can be configured separately on the wired side and the wireless side of the AC.
D. telnet can be authenticated based on username and passwor
E. The transmission is encrypted andtherefore quite secur

Answer: D

NEW QUESTION 57
What is the recommended AC-ID for the Huawei wireless controller when configuring the WLAN service of the enterprise network?

A. cmcc (China Mobile)
B. ctc (China Telecom)
C. cuc (China Unicom)
D. other (Other)

Answer: B

NEW QUESTION 59
The eSight network management system is Huawei's dedicated network management platform, but it can only manage Huawei's own devices.

A. True
B. False

Answer: B

NEW QUESTION 63
The networking mode can be divided into a Layer 2 networking mode and a Layer 3 networking mode based on the network architecture between the AP and the AC.

A. True
B. False

Answer: A

NEW QUESTION 67
For the CAPWAP protocol, the following description is wrong.

A. Transmission protocol between AC and thin AP
B. Transmission protocol between thin AP and wireless client
C. Developed by the CAPWAP Working Group The development of the
D. CAPWAP protocol draws on the useful features of other protocol

Answer: B

NEW QUESTION 69
When the AC is a side-by-side networking, if the data is directly forwarded, the data stream () AC; if the data is in tunnel forwarding mode, the data Stream AC.

A. No pass, pass
B. No pass, no pass
C. After passing through
D. After passing through not

Answer: A

NEW QUESTION 74
Which of the following two are PoE's power supply standards (Select 2 Answers)?

A. IEEE 802.3ae
B. IEEE 802.3af
C. IEEE 802.3as
D. IEEE 802.3at

Answer: BD

NEW QUESTION 77
For the networking architecture of the AC+thin AP, the following description is wrong.

A. AP can't work alone, it needs to be maintained and managed by AC centralized agent.
B. It can enhance service QoS, security and other functions through AC.
C. The AP itself has zero configuration and is suitable for large-scale networking.
D. Management of APs and users must be implemented through the network management system

Answer: D

NEW QUESTION 80
The following statement about the region is correct (Select 3 Answers)?

A. APs belonging to the same region will uniformly adjust the RF channel and power.
B. An AP can belong to two regions at the same time, so that roaming is more optimized.
C. If you do not configure, all APs belong to region 0 by default.
D. AP region is laid in three types: dense placement, discrete deployment, and normal deploymen

Answer: ACD

NEW QUESTION 83
In a dual-link backup network, what do the APs use to distinguish between the primary AC and the standby AC (Select 3 Answers)?

A. Priority
B. AC IP address
C. AC load situation
D. AC response AP time

Answer: ABC

NEW QUESTION 85
The algorithm used for CCMP encryption is .

A. RC4
B. AES
C. SMS4
D. Michael

Answer: B

NEW QUESTION 86
For shared key authentication, the following description is wrong.

A. After using shared key authentication, WEP encryption must be used.
B. Shared key requires the user and AP to use the same shared key

C. For thin APs, the shared key is preset in the AC.
D. The disadvantage of shared key is that it is not scalable and not very secur

Answer: C

NEW QUESTION 87
For the AC6605, the following commands can be used to check whether the AP is online.

A. display ap online all
B. display ap all
C. display ap-type all
D. dispay ap-run-info all

Answer: B

NEW QUESTION 90
The following statement is correct (Select 3 Answers).

A. WPA2 PSK authentication requires the user to enter a username and password to connect
B. When the user obtains the IP address successfully, the user triggers the HTTP packet of the use
C. At this time, the user is forced to redirect to the portal server to perform the authentication process.
D. WPA2 uses 802.1X authentication
E. WAPI is China's wireless LAN national standard system

Answer: BCD

NEW QUESTION 95
Wireless NICs that only support TKIP can be upgraded via drivers to support AES encryption.

A. True
B. False

Answer: B

NEW QUESTION 98
The following description of the PSK certification is incorrect.

A. PSK authentication requires the same pre-shared key to be configured on the wireless client and device side.
B. WPA and WPA2 support PSK certification
C. PSK authentication process is similar to the shared key authentication process, so the security is the same.
D. PSK authentication is to verify the legitimacy of the STA side key through 4-way handshake key negotiation.

Answer: A

NEW QUESTION 103
The following description of WEP encryption is wrong.

A. WEP encryption uses a stream encryption algorithm.
B. WEP encryption adds IV to destroy the regularity of the ke
C. The length of the IV in
D. WEP encryption is 48 bits.
E. WEP encryption allows the device to store four keys at the same tim

Answer: C

NEW QUESTION 108
WIDS attack detection includes (Select 3 Answers).

A. Flood attack detection
B. Weak IV attack detection
C. Spoof attack detection
D. Microwave interference detection

Answer: ABC

NEW QUESTION 110
In the thin AP networking, which of the following authentication methods does not require AC participation during the authentication process.

A. Shared key authentication
B. 802.1X authentication
C. PSK authentication
D. Portal authentication

Answer: A

NEW QUESTION 115
The following statement is correct (Select 2 Answers)?

A. The web authentication is triggered by the user's http packet before the IP address is successfully obtaine
B. At this time, the user is forced to redirect to the portal server to perform the authentication process.
C. When the user obtains the IP address successfully, the user triggers the HTTP packet of the use
D. At this time, the user is forced to redirect to the portal server to perform the authentication process.
E. WPA2 uses 802.1X authentication
F. WPA only supports one encryption technology of TKIP

Answer: BC

NEW QUESTION 120
TKIP encryption is more secure than WEP encryption because (Select 3 Answers).

A. Adopt a longer IV
B. Added a key distribution mechanism, no longer using a single key
C. Adopting a more complex encryption algorithm
D. Using a stronger data verification algorithm

Answer: ABD

NEW QUESTION 121
The following is a description of TKIP encryption. The error is .A. The length of the IV used in

A. TKIP encryption is 24bits.
B. TKIP encryption uses the same encryption algorithm as WEP encryption.
C. The motivation for developing TKIP encryption is to upgrade the security of legacy WEP hardware.Added the mechanism of key generation, management and delivery in
D. TKIP encryptio

Answer: A

NEW QUESTION 125
What are the QoS service models (Select 3 Answers).

A. Best Effort model
B. IntServ model
C. FIFO model
D. DiffServ model

Answer: ABD

NEW QUESTION 126
The AP domain deployment types are as follows (Select 3 Answers).

A. Independent deployment
B. Discrete deployment
C. Ordinary deployment
D. Dense deployment

Answer: BCD

NEW QUESTION 128
There are many video conferences in large companies, and QoS generally adopts the service model.

A. Best Effort model
B. IntServ model
C. FIFO model
D. DiffServ model

Answer: C

NEW QUESTION 132
The following is an incorrect way to refer to AP access control (Select 2 Answers).

A. By default, the access control mode of the AP to the AC is not authenticated.
B. By configuring the AP in the offline state, authentication is required to automatically access the AP.
C. The configuration whitelist can be authenticated based on the MAC or authenticated based on the SN.
D. If the AP access control adopts MAC authentication, the AP outside the MAC authentication list can also be online after being manually confirmed.

Answer: AB

NEW QUESTION 133
Regarding the characteristics of Huawei WLAN products, the following statement is correct.

A. Wireless controller can achieve high availability through stacking
B. Huawei's AP radio tuning function is divided into global tuning and local tunin
C. The local tuning is done by the AP independently.
D. The switching threshold of WLAN load balancing has two configurations based on the number of users and the number of sessions.
E. After the dual-link backup configuration, if the user adopts the tunnel forwarding mode, the active service will not be interrupted even if the active AC fails.

Answer: C

NEW QUESTION 134
Among the following options, it is not the main purpose of roaming.

A. Avoid excessive authentication time during roaming, resulting in packet loss or even service interruption.
B. Ensure user authorization information remains unchanged.
C. Ensure that the user's IP address is unchanged.
D. Ensure that the user's network rate is unchange

Answer: D

NEW QUESTION 139
Which of the following are related parameters of the Traffic template (Select 2 Answers).

A. 802.3 Priority Mapping Policy
B. CAC Policy
C. Tunnel priority mapping strategy
D. ACK strategy

Answer: AC

NEW QUESTION 140
The Int-Serv model provides users with end-to-end absolute QoS guarantees, but the reason for the lack of successful large-scale commercial use is.

A. Limited bandwidth reservation
B. Low forwarding efficiency
C. Poor scalability
D. Not conducive to traffic regulation

Answer: C

NEW QUESTION 143
The following statement about frequency planning is correct (Select 2 Answers)?

A. 2.4 GHz generally uses 1, 6, and 11 three non-overlapping channels for coverage.
B. There are generally 23 non-overlapping channels available in China at 5 GHz.
C. Microwave interference will occur in the full 2.4GHz band.
D. If the AP is dual-frequency, it is recommended to use the 5G priority functio

Answer: AD

NEW QUESTION 145
The two commonly used units describing antenna gain are dBi and dBd, and the conversion relationship between them is: dBi=dBd+2.14.

A. True
B. False

Answer: A

NEW QUESTION 146
Antennas are classified by direction and can be classified into antennas and antennas (Select 2 Answers).

A. plate shape
B. parabologd
C. omnidirectional
D. orientation

Answer: D

NEW QUESTION 151
Metal objects have a greater attenuation of the wireless signal, and the AP or antenna should be placed behind a metal ceiling or the like.

A. True
B. False

Answer: A

NEW QUESTION 155
Among the following options, the common source of WLAN interference is (Select 3 Answers).

A. Microwave oven
B. Remote control
C. Cordless telephone
D. Bluetooth transmission equipment

Answer: ACD

NEW QUESTION 156
If the demand for WLAN capacity is high in a coverage area, the construction method of should be considered.

A. Indoor distribution system combination road
B. Outdoor distribution system combination road
C. Indoor installation
D. Outdoor type AP+ directional antenna

Answer: C

NEW QUESTION 161
If the AP's transmit power is 1mW, it is converted to dBm and then dBm.

A. 20
B. 1
C. 10

Answer: C

NEW QUESTION 166
The gain of antenna A is 11dBi, and the gain of antenna B is 8dBi. It can be said that antenna A has a larger gain than antenna B.

A. 3dB
B. 3dBi
C. 3dBd
D. Uncertain

Answer: ABD

NEW QUESTION 168
When wireless network engineers are planning for WLAN networks, the purpose of RF simul-ation is (ABC) (Select 3 Answers).

A. Simulate signal coverage, find blind areas
B. Obtain field strength distribution at different locations
C. Obtain the current signal-to-noise ratio at different locations
D. Obtain the available bandwidth at different locations

Answer: ABC

NEW QUESTION 173
There are three types of Huawei load balancing judgment: traffic mode, session mode, and virtual switch mode.

A. True
B. False

Answer: B

NEW QUESTION 176
Commonly used RF cables for WLAN systems are (ABC) (Select 3 Answers).

A. RG-8 jumper
B. 1/2" (inch) super soft feeder
C. 1/2" (inch) feeder
D. 13/8" (inch) feeder

Answer: ABC

NEW QUESTION 179
The number of APs supported by the AC6605 by default is.

A. 4
B. 8
C. 10

Answer: A

NEW QUESTION 180
How to deal with the failure of AP and AC version mismatch on a large number of devices.

A. Upgrade the versions to match each other.
B. Replace the AP device.
C. Replace the switch
D. Check if the POE power supply is norma

Answer: A

NEW QUESTION 185
In the direct connection network, the AP and the AC establish a CAPWAP tunnel. The management flow must be encapsulated in the CAPWAP tunnel. The data service flow can be encapsulated in the CAPWAP tunnel.

A. True
B. False

Answer: A

NEW QUESTION 186
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