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QUESTION 1

You are attempting to locate the cause of a performance problem in two WLAN cells in a mostly overlapping coverage area. You note that one AP is on channel 1 and the other is on channel 2. When you document your findings, what term do you use to describe the problem in this configuration?

A. Bluetooth interference

B. Non-Wi-Fi interference

C. CCI

D. ACI

Correct Answer: D

QUESTION 2

You are implementing a VHT-capable AP. Which one of the following channels is available in the 802.11- 2016 standard that was not available before the ratification of 802.11 ac?

A. 153

B. 161

C. 144

D. 56

Correct Answer: C

QUESTION 3

What is the most effective method for testing roaming in relation to 802.11 VoIP handsets?

A. Use a spectrum analyzer to monitor RF activity during a VoIP call.

B. Use a protocol analyzer to capture the traffic generated when a laptop roams.

C. Place a call with the handset and move around the facility to test quality during roaming.

D. Use the built-in roaming monitor built into all VoIP handsets.

Correct Answer: C

QUESTION 4

As an RF wave propagates through space, the wave front experiences natural expansion that reduces its signal strength in an area. What term describes the rate at which this expansion happens?

A. Inverse square law

B. Ohm\\'s law

C. Fresnel zone thinning

D. MU-MIMO

Correct Answer: A

QUESTION 5

What is appended to the end of each 802.11 data frame after the payload?

A. FCS

B. Preamble

C. MAC header

D. PHY header

Correct Answer: A

QUESTION 6

What common feature of MDM solutions can be used to protect enterprise data on mobile devices?

A. Over-the-air registration

B. Onboarding

C. Containerization

D. Self-registration

Correct Answer: B

QUESTION 7

A client STA must choose the best AP for connectivity. As part of the evaluation, it must verify compatible data rates. What can the client STA use to verify that an AP supports the same data rates that it supports?

A. Beacon frames transmitted by the AP

B. Data frames sent between the AP and current client STAs

C. Authentication frames transmitted by the other client STAs

D. Probe request frames transmitted by other client STAs

Correct Answer: D

Reference https://supportforums.cisco.com/t5/wireless-mobility-documents/802-11-sniffer-capture-analysis-management-frames-and-open-auth/ta-p/3120622

QUESTION 8

You administer a WLAN that offers a guest SSID of GUESTNWORK. Users connect to the GUESTNWORK SSID, but report that they cannot browse the Internet. The devices simply report no Internet connection. What common problem causes this scenario?

A. NTP issues

B. Hardware issues

C. IP routing issues

D. Captive portal issues

Correct Answer: C

QUESTION 9

You are troubleshooting a problem with interference from a non-802.11 device. Given that the device is not a WLAN device, you cannot use a protocol analyzer and have chosen to use a spectrum analyzer. You want to view the signal from the interfering device over time to see the activity that is generating.

What common spectrum analyzer view should you use for this analysis?

A. Waterfall/Spectrogram

B. Real-time FFT

C. APs

D. Clients

Correct Answer: A

QUESTION 10

What statement describes the authorization component of a AAA implementation?

A. Validating client device credentials against a database.

B. Implementing a WIPS as a full-time monitoring solution to enforce policies.

C. Granting access to specific network services or resources according to a user profile.

D. Verifying that a user is who he says he is.

Correct Answer: C

Reference http://searchsecurity.techtarget.com/definition/authentication-authorization-and-accounting

QUESTION 11

What best describes WPA2 in relation to 802.11 wireless networks?

A. WPA2 is specified in the 802.11 standard as implementing CCMP/AES.

B. WPA2 is the standard that defines security for WLANs.

C. WPA2 is a certification created by the Wi-Fi Alliance that validates devices correctly implement CCMP/ AES.

D. WPA2 is the second version of WPA and it enhances security through the use of TKIP instead of WEP.

Correct Answer: B

QUESTION 12

When implementing PoE, what role is played by a switch?

A. PD

B. PSE

C. Midspan injector

D. Power splitter

Correct Answer: B

QUESTION 13

When replacing the antenna of a WLAN device with a similar antenna type that has a higher passive gain, what antenna characteristic will decrease?

A. Range

B. Beam width

C. Active gain

D. Receive sensitivity

Correct Answer: B

QUESTION 14

When considering data rates available in HT and VHT PJY devices, in addition to the modulation, coding, channel width, and spatial streams, what impacts the data rate according to the MCS tables?

A. The Frequency band in use

B. The client drivers

C. The guard interval

D. The height of the antennas

Correct Answer: C

Reference https://arxiv.org/pdf/1702.03257.pdf

QUESTION 15

What terms accurately complete the following sentence?

The IEEE 802.11-2016 standard specifies mandatory support of the _____ cipher suite for Robust Security Network Associations, and optional use of the _____ cipher suite, which is designed for use with pre-RSNA hardware and is deprecated.

A. 802.1X/EAP, WEP

B. CCMP, TKIP

C. TLS, SSL

D. RC5, RC4

Correct Answer: B

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