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QUESTION NO: 1

Which one of the following is required for Wi-Fi integration in laptop-based Spectrum Analyzer software?

A. A supported WLAN adaptor with a customized driver

B. Any 802.11 wireless adaptor

C. A dual radio spectrum analyzer card

D. SNMP read credentials to the WLAN controller or APs

ANSWER: C

QUESTION NO: 2

Which one of the following is not a valid reason for an AP to fail a STAs association?

A. Requesting station has the wrong PSK

B. Does not support the specified authentication algorithm

C. AP is unable to handle additional associations

D. Requesting station does not support all the required data rates

ANSWER: A

QUESTION NO: 3

Which one of the following should be the first step when troubleshooting a WLAN issue?

A. Identify capture locations

B. Identify probable causes

C. Perform an initial WLAN scan and see if any obvious issues stand out

D. Define the problem

ANSWER: D

QUESTION NO: 4

Which one of the statements regarding the Frame Control field in an 802.11 MAC header is true?

A. Only Control frames have a Frame Control field

B. The Frame Control field contains three sub-fields and eight one-bit flags

C. The Frame Control field is used to communicate the duration value

D. The Frame Control field is always set to 0

ANSWER: D

Explanation:

This field is simply used to indicate which protocol version of 802.11 is being used by the frame. This is always set to "0"

Reference: https://mrncciew.com/2014/09/27/cwap-mac-header-frame-control/

QUESTION NO: 5

Protocol analyzers may present field values in either binary, decimal or hexadecimal. What precedes a hexadecimal value to indicate it is hexadecimal?

A. 0x

B. %

C. HEX

D. 16x

ANSWER: A

QUESTION NO: 6

What is the difference between a Data frame and a QoS-Data frame?

A. QoS Data frames include a QoS control field

B. QoS Data frames include a QoS information element

C. QoS Data frames include a DSCP control field

D. QoS Data frames include an 802.1Q VLAN tag

ANSWER: A

QUESTION NO: 7

The network administrator at ABC Engineering has taken a large packet capture from one of their APs running in monitor mode. She has very little knowledge of 802.11 protocols but would like to use the capture file to evaluate the overall health and performance of their wireless network. When she asks your advice, which tool do you recommend she opens the packet capture file with?

A. Capture visualization tool

B. Protocol analyzer

C. Spectrum analyzer

D. WLAN scanner

ANSWER: B

QUESTION NO: 8

What is an AIFS?

A. A form of aggregation performed at the PLCP sub-layer

B. The shortest period of time a STA can sleep

C. A medium access method introduced by 802.11n, but never implemented

D. A variable Interframe Space introduced by 802.11e to help prioritize medium access for different Access Categories

ANSWER: D

QUESTION NO: 9

Given a protocol analyzer can decrypt WPA2-PSK data packets providing the PSK and SSID are configured in the analyzer software.

When performing packet capture (in a non-FT environment) which frames are required in order for PSK frame decryption to be possible?

A. Authentication

B. Reassociation

C. 4-Way Handshake

D. Probe Response

ANSWER: C

QUESTION NO: 10

When performing protocol analysis, you notice a high number of RTS/CTS frames being transmitted on an HT network. You suspect this may be due to HT protection mechanisms. Where in the Beacon frame would you look to determine which one of the four HT protection modes the AP is operating in?

A. HT Protection Element

B. HT Information Element

C. HT Operation Element

D. Non-HT Present Element

ANSWER: A