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QUESTION 1

In a WLAN security, what authentication method always creates Layer2 dynamic encryption keys?

- A. Shared Key
- B. WEP
- C. HTTPS captive portal
- D. EAP-TLS

Correct Answer: B

QUESTION 2

You are tasked with performing a throughput test on the WLAN. The manager asks that you use open source tools to reduce costs. What open source tool is designed to perform a throughput test?

- A. IxChariot
- B. Python
- C. PuTTY
- D. iPerf

Correct Answer: D

QUESTION 3

You are the network administrator for ABC Company. Your manager has recently attended a wireless security seminar. The seminar speaker taught that a wireless network could be hidden from potential intruders if you disable the broadcasting of the SSID in Beacons and configured the access points not to respond to Probe Request frames that have a null SSID field.

Your manager suggests implementing these security practices. What response should you give to this suggestion?

- A. Any tenants in the same building using advanced penetration testing tools will be able to obtain the SSID by exploiting WPA EAPOL-Key exchanges. This poses an additional risk of exposing the WPA key.
- B. Any 802.11 protocol analyzer can see the SSID in clear text in frames other than Beacons frames. This negates any security benefit of trying to hide the SSID in Beacons and Probe Response frames.
- C. To improve security by hiding the SSID, the AP and client stations must both be configured to remove the SSID from association request and response frames. Most VLAN products support this.
- D. This security practice prevents manufacturers' client utilities from detecting the SSID. As a result, the SSID cannot be obtained by attackers, except through social engineering, guessing, or use of a WIPS.

Correct Answer: B

QUESTION 4

In a long-distance RF link, which statement about Fade Margin is true?

- A. The Fade Margin is a measurement of signal loss through free space and is a function of frequency and distance.
- B. The Fade Margin of a long-distance radio link should be equivalent to the receiver's low noise filter gain.
- C. A Fade Margin is unnecessary on a long-distance RF link if more than 80% of
- D. Fade Margin is an additional pad of signal strength designed into the RF system to compensate for unpredictable signal fading.

Correct Answer: D

QUESTION 5

What phrase defines Equivalent Isotropically Radiated Power (EIRP)?

- A. Power supplied from the transmission line to the antenna input
- B. The power output from the radio after cable losses
- C. The power output from the radio into the RF cable
- D. The highest RF signal strength that is transmitted from a given antenna

Correct Answer: D

QUESTION 6

You were previously onsite at XYZ's facility to conduct a pre-deployment RF site survey. The WLAN has been deployed according to your recommendations and you are onsite again to perform a post-deployment validation survey.

When performing this type of post-deployment RF site survey voice over Wi-Fi, what is an action that must be performed?

- A. Spectrum analysis to locate and identify RF interference sources.
- B. Frequency-band hopping analysis to detect improper RF channel implementations.
- C. Protocol analysis to discover channel use on neighboring APs.
- D. Application analysis with an active phone call on an VoWiFi handset.

Correct Answer: A

QUESTION 7

What ID is typically mapped to an AP's MAC address if a single BSS is implemented?

- A. VLAN ID
- B. BSSID
- C. Device ID
- D. SSID

Correct Answer: B

Reference [https://technet.microsoft.com/en-us/library/cc757419\(v=ws.10\).aspx](https://technet.microsoft.com/en-us/library/cc757419(v=ws.10).aspx)

QUESTION 8

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

QUESTION 9

In addition to coverage analysis result, what should be included in a post-deployment site survey report to ensure WLAN users experience acceptable performance?

- A. Layer 4 protocol availability analysis results
- B. Application Layer protocol availability analysis results
- C. Capacity analysis results
- D. WAN interface analysis results

Correct Answer: C

QUESTION 10

A natural disaster has occurred in a remote area that is approximately 40 miles from the response team headquarters. The response team must setup a local wireless network using 802.11 WLAN access points. What is the best method, of those listed, for implementation of network backhaul for communications across the Internet in this scenario?

- A. Temporary wired cable
- B. 802.11 bridging
- C. Cellular/LTE
- D. Temporary wired DSL

Correct Answer: C

QUESTION 11

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 12

What factor is likely to cause the least impact on the application layer throughput of an 802.11n client station in a 2.4 GHz HT BSS?

- A. Increasing or decreasing the number of spatial streams in use by the client station and AP
- B. Implementation of several other clients in the same BSS using 802.11 g radios
- C. Implementing Fast BSS Transition (FT) for roaming
- D. RF interface from more than 10 nearby Bluetooth transmitters

Correct Answer: A

QUESTION 13

To ease user complexity, your company has implemented a single SSID for all employees. However, the network administrator needs a way to control the network resources that can be accessed by each employee based in their department.

- A. RBAC

- B. SNMP
- C. WIPS
- D. WPA2

Correct Answer: A

QUESTION 14

You are attempting to explain RF shadow and how it can cause lack of coverage. What common building item frequently causes RF shadow and must be accounted for in coverage plans?

- A. Wooden doors
- B. Carpeted floors
- C. Elevators
- D. Cubicle partitions

Correct Answer: D

QUESTION 15

You are configuring an access point to use channel 128. What important fact should be considered about this channels?

- A. It is a 22 MHz channel so it will overlap with the channels above and below it
- B. It is a 2.4 GHz frequency band 40 MHz channel, so it should not be used
- C. It is a channel that is unsupported by most access points
- D. It is a channel that likely requires DFS when used

Correct Answer: D

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