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QUESTION 1

What is used as a relative measurement of signal strength at the receiving client on an 802.11 wireless LAN?

- A. Watt
- B. dBm
- C. RSSI
- D. Milliwatt

Correct Answer: C

QUESTION 2

What is a difference between an Infrastructure Basic Service Set (BSS) network and an Ad Hoc network?

- A. In an Ad Hoc network, only one WLAN controller is used. A BSS allows multiple WLAN controllers to be connected together to form a mobility domain.
- B. An Ad Hoc network allows only legacy security options such as WEP. A BSS allows the creation of a robust security network (RSN) using security methods such as WPA2- Personal.
- C. A BSS is recommended for enterprise WLANs, while Ad Hoc deployments are recommended for small and medium businesses.
- D. In a BSS, an access point is used for connectivity to the wired network infrastructure. In an Ad Hoc network, client stations communicate directly with each other.

Correct Answer: D

QUESTION 3

As a salesperson, you have been contacted by an automobile dealership that currently manages each of their 5 SOHO-class access points individually. The owner of the dealership contracts his nephew for the dealership's network administration, but the nephew admits to a limited knowledge of WLAN technology. The dealership owner and his nephew want you to advise them on how they can simplify the management of their wireless network. You tell them that they are currently managing _____ access points, and they could consider _____ to ease the management burden.

- A. Autonomous; a WLAN controller-based architecture
- B. Mesh; a Wireless Network Management System
- C. MIMO; copying one configuration file and importing it into the other access points
- D. Root; installing a Wireless Intrusion Protection System (WIPS) for management
- E. Controller-based; a WLAN controller to manage their current access points



Correct Answer: A

QUESTION 4

As an RF signal propagates, it reflects off an object. The reflected signal and the signal following a direct path arrive at the receiver at different points in time. What is the term used to describe this RF behavior?

- A. Antenna Diversity
- B. Multipath
- C. Multiple In, Multiple Out (MIMO)
- D. Channel Reciprocity
- E. Beamwidth Refraction

Correct Answer: B

QUESTION 5

Wi-Fi certified network devices can operate in what frequency band(s)?

- A. 2.4 GHz only
- B. 900 MHz, 2.4 GHz, and 5 GHz
- C. 2.4 GHz and 5 GHz
- D. 5.8 GHz only

Correct Answer: C

QUESTION 6

In a typical office building, Wi-Fi clients are likely to experience poor Wi-Fi coverage in what locations? (Choose 2)

- A. Cubicles
- B. Enclosed offices
- C. Hallways
- D. Elevators
- E. Stairwells

Correct Answer: DE



QUESTION 7

In order to assess your customer's Wi-Fi network needs, you have arranged an initial meeting with your customer's representatives and your systems engineer. So that you can request cooperation and input from all stakeholders, which individuals from your customer's company should you invite to this functional requirements meeting? (Choose 2)

- A. Network administrator
- B. Wireless end users
- C. Director of Human Resources
- D. Software engineering manager
- E. Facilities manager

Correct Answer: AE

QUESTION 8

Which explanations of antenna usage are the most accurate? (Choose 2)

- A. A parabolic dish antenna is ideal for directing a beam down a long hallway.
- B. An omni-directional antenna is well-suited to provide wireless coverage in most homes.
- C. Patch antennas are mounted in the center of a lecture hall to provide circular coverage.
- D. A dipole antenna is mounted to a perimeter wall in school buildings to provide coverage inside the building.
- E. A grid antenna is designed to perform favorably as part of an outdoor point-to-point link under windy conditions.

Correct Answer: BE

QUESTION 9

After your city implemented a municipal Wi-Fi network using 802.11g on channels 1, 6, and 11 near your office, your users have been complaining about poor performance on their 802.11b VoWiFi phones. The best solution for optimizing your 802.11a/g network to support VoWiFi in this scenario is to _____.

- A. Configure your VoWiFi phones for unused 2.4 GHz channels.
- B. Buy new phones that support WPA2-Personal security.
- C. Upgrade your VoWiFi phones to 802.11g.
- D. Buy new 5 GHz capable VoWiFi phones.

Correct Answer: D

QUESTION 10



What two factors are used to calculate the wavelength of an RF wave? (Choose 2)

- A. Frequency
- B. Speed of light
- C. Amplitude
- D. Phase

Correct Answer: AB

QUESTION 11

Simple antenna diversity mitigates the adverse effects caused by which common Wi-Fi problem?

- A. Hidden node
- B. RF signal absorption
- C. Multipath
- D. Co-channel interference
- E. Polarization

Correct Answer: C

QUESTION 12

What is the most likely cause of low throughput on a hotel's guest network?

- A. The 1.5 Mbps Internet connection is creating a bottleneck for the Wi-Fi users.
- B. The user's laptop does not have 54 Mbps data rate enabled.
- C. The strong security methods used with public access networks often cause low throughput.
- D. The user is too close to the servicing access point.

Correct Answer: A

QUESTION 13

ABC Academy is currently using non-802.11 2.4 GHz wireless security cameras. What problem will ABC Academy experience if they deploy Wi-Fi client devices in the 2.4 GHz ISM band?

- A. The Wi-Fi client devices will experience performance degradation due to co-channel interference.
- B. Wi-Fi client devices will create a security hole in the Wi-Fi infrastructure as a protection mechanism.



- C. If the Wi-Fi client devices detect the security cameras, they will move to the 5 GHz band and stop transmitting in the 2.4 GHz band.
- D. The Wireless Network Management System (WNMS) would not be able to manage the APs near the security cameras.

Correct Answer: A

QUESTION 14

In what situation is an RF site survey LEAST needed?

- A. Office with 3 APs in a multi-tenant building
- B. Wi-Fi network with 100 APs at a hospital
- C. Telecommuters using a single "remote AP" at home
- D. Wi-Fi hot-spot with 10 APs at an airport

Correct Answer: C

QUESTION 15

802.11a operates in the _____ GHz frequency range and uses the _____ frequency bands.

- A. 2.4, OFDM
- B. 2.4, ERP
- C. 2.4, HR/DSSS
- D. 5, OFDM
- E. 5, UNII

Correct Answer: E

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