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Exam : **AWMP**

Title : Aruba Wireless Mesh Professional 4.2

Version : Demo

1.Which of the following statements is the best answer regarding lightning arrestors?
A. when installing where lightning is common
B. when installing where power surges are common
C. always, because the outdoor environment is unpredictable
D. whenever the appropriate regulatory agency requires them
Answer: C

2.What are the recommended deployment scenarios for MST200.?
A. Part of a point to point link
B. Providing access to mobile clients
C. As a core node in a large mesh
D. As an edge node in a mesh
Answer: A,D

3.In an Aruba mesh design which mesh scenarios are valid?
A. Point-to-point
B. Point-to-multipoint (hub and spoke)
C. Point-to-point-to-point (linear)
D. Full mesh (redundant links)
E. All of the above
Answer: E

4.Consider a radio configured for 20dBm conducted power connected to a 3dbi antenna.
What is the resulting EIRP in mW?
A. 100 mW
B. 200 mW
C. 150 mW
D. 250 mW
Answer: B

5.When RSSI is increased by 6 dB, how many times approximately does the signal strength increase by?
A. 1 time
B. 2 times
C. 8 times
D. 4 times
Answer: D

6.What is the Aruba recommended mounting arrangement for a pair of identical omnidirectional antennas in an outdoor deployment using 802.11n?
A. “Over and under”
B. One horizontal and one vertical
C. Any arrangement that separates the antennas by 45 degrees
D. Install the two antennas far apart
Answer: A

7.In RF mathematics, 1 Watt of power equals what measurement of dBm?
A. 1
B. 10
C. 20
D. 30
E. 100
Answer: D

8.A radio with 100 mW of TX power is connected through a 50-foot cable with 3 dB of loss to an antenna with 10 dBi of gain. What is the EIRP in mW?
A. 100 mW
B. 250 mW
C. 500 mW
D. 1 W
Answer: C

9.Which statement about Equivalent Isotropically Radiated Power (EIRP) is true?
A. EIRP is the path loss from the transmitter to the receiver in dB
B. EIRP is equal to ((transmit power + antenna gain) - connector and cable loss)
C. EIRP is not important because local regulations do not limit transmit power
D. EIRP is measured in relation to a spherical isotropic radiator
Answer: B

10.What effect on RSSI does antenna polarization of the receiver cause?
A. an increase in RSSI when polarized the same as the transmitter
B. an increase in RSSI when polarized exactly opposite from the transmitter
C. no affect to the signal, if the antenna beamwidth are properly aligned.
D. no effect if the deployment is within 30 degrees latitude of the equator
Answer: A

11.What limit does receiver sensitivity describe?
A. the maximum RSSI to decode a packet at a specific data rate
B. the minimum RSSI to decode a packet at a specific data rate
C. the receive signal level strength, which is always the same for each rate
D. the maximum output transmit power for receivers that are in range
E. the maximum RSSI to decode a packet at a specific data rate (5 - 45.45%)
Answer: B

12.What is the maximum percentage obstruction of the first Fresnel zone in a point to point link?
A. 35%
B. 40%
C. 50%
D. 60%

Answer: B

13.Which technical specifications of the antenna should be considered during selection of an antenna?
A. Frequency range
B. Supported data rates and modulation technologies
C. Polarization
D. Gain
E. Encryption modes
Answer: A,C,D

14.Which of these statements is correct in regards to Fresnel zone and mesh network design? Choose all that apply.
A. Mesh network design does not need to account for Fresnel zone.
B. Fresnel zone clearance of at least 60% is required for mesh radio links.
C. Fresnel zone only comes into play when designing Wi-Fi client coverage.
D. Fresnel zone, Free Space Path Loss, EIRP and receive sensitivity are all factors that should be considered.
Answer: B,D

15.Which statement is most correct and should be considered in a typical handheld client Wi-Fi access mesh design?
A. The upstream and downstream link budgets between clients and mesh routers are symmetrical.
B. Client devices typically broadcast at higher EIRP than mesh routers.
C. Client EIRP and receive sensitivity is generally the limiting factor for range.
D. Mesh backhaul links and client access should all be on the same channel to maximize connectivity.
Answer: C