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Exam : **CWNA-106**

Title : Certified Wireless Network Administrator

Version : Demo

1.What word describes the bending of an RF signal as it passes through a medium of a varying density from that of free space?
A. Diffraction
B. Reflection
C. Refraction
D. Diffusion
E. Scattering
Answer: C

2.What can cause an excessively high VSWR (Voltage Standing Wave Ratio) in a WLAN RF transmission line?
A. An impedance mismatch inthe RF cables and connectors
B. Reflected direct current (DC) voltage on the main RF signal line
C. Attenuation of the RF signal as it travels along the main signal path
D. Crosstalk (inductance) between adjacent RF conductors
Answer: A

3.What factors influence the distance that an RF signal can be effectively received? (Choose 3)
A. Transmitting station’s power source
B. Receiving station’s radio sensitivity
C. Free Space Path Loss
D. MAC layer encryption
E. Transmitting station’soutput power
F. Temperature in the Fresnel zone
Answer: B,C,E

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. MU-MIMO
B. Inverse square law
C. Fresnel zone thinning
D. Ohm’s law
Answer: B

5.Return Loss is the decrease of forward energy in a system when some of the power is being reflected back toward the transmitter.
What will cause high return loss in an RF transmission system, including the radio, cables, connectors and antenna?
A. A Voltage Standing Wave Ratio (VSWR) of 1:1
B. An impedance mismatch between components in the RF system
C. The use of cables longer than onemeter in the RF system
D. High output power at the transmitter and use of a low-gain antenna
Answer: B