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**Exam** : **MSC-122**

**Title** : **Deploy WLAN Solution**

**Version** : **Demo**

1.If a Motorola access point induces a 50 mW RF signal onto a 3 dBi antenna, what will be the resulting EIRP of the transmitted signal?

- A. 0 dBm
- B. 3 dBm
- C. 20 dBm
- D. 50 mW
- E. 50 dBm

**Answer: C**

2.Which of the following statements is NOT considered to be a best practice with respect to the wired backbone serving the WLAN.?

- A. When performing manual configuration of a point-to-point Ethernet link, ensure that both the speed and the duplex mode settings on the two ports match.
- B. When creating a link between Ethernet 10/100BASE-T or 10/100/1000BASE-T ports, enable (or accept the default of) auto-negotiation on both ports.
- C. When creating a link between Gigabit Ethernet fiber ports, enable (or accept the default of) auto-negotiation.
- D. When creating a link between Gigabit Ethernet fiber ports, disable auto-negotiation on both ports.

**Answer: D**

3.You are deploying a new system and are creating the RF Domain(s). Which of the following options would you use to group the APs into the same domain?

- A. By VLAN, where all APs are on the same subnet.
- B. By site, which can be a location where the group of installed APs can hear each other's beacons.
- C. By name, so they can be easily sorted in the tree view of the controller.
- D. By deployment phase, so configurations can be accidentally pushed to newly installed APs.

**Answer: A**

4.You are performing a physical site survey of a new WiNG 5 WLAN deployment. Which of the following is CORRECT?

- A. The Signal to Noise Ratio (SNR) is a critical measurement that needs to be addressed.
- B. It is acceptable that you use any RF infrastructure device (Access Point) to perform the site survey test.
- C. Using default settings of a site survey application will provide an adequate site survey result.
- D. Customer throughput requirements are the only criteria for which need to be surveyed.

**Answer: B**

5.You have just conducted a throughput test using iPerf on a WLAN that shows a PHY signaling rate of 54 Mbps, however the average throughput rate shown in iPerf is only 23.5 Mbps. What is the most likely explanation for this condition?

- A. This throughput speed is considered nominal.
- B. This throughput rate could indicate a mismatch between Wi-Fi confidentiality algorithms.
- C. This throughput rate indicates excessive user activity.
- D. This throughput rate indicates excessive out-of-band interference such as nearby cell phone towers.

**Answer: A**

6. During a recent throughput analysis test of your 802.11g network, you discovered that performance is poor in comparison to previous baselines. You discover that this is the result of 802.11b stations becoming associated with your access point. What option could you implement to eliminate 802.11b clients from attaching to your network?

- A. Implement protection mechanisms
- B. Make 24 mbps a required data rate
- C. Implement RTS/CTS at the access point
- D. Change the channel used for the network

**Answer: B**

7. Your customer has requested that during the upcoming 802.11g to 802.11n upgrade deployment you enable 40 MHz channels on 1, 6, and 11 of the 2.4 GHz ISM band. You respond by saying that there is not enough spectrum to allow 40 MHz channels centered on 1, 6, and 11. How wide are standard 802.11g (OFDM) channels?

- A. 20 MHz
- B. 83.5 MHz
- C. 5 MHz
- D. 11 MHz
- E. 22 MHz

**Answer: A**

8. You have an access point that requires PoE connected to a switch with a 150 meter 10 BASE-T CAT 5 cable. During testing numerous problems with both data transmission and intermittent power occurs. Which of the following is most likely the cause?

- A. The cable should be CAT 6
- B. There is a duplex mismatch
- C. The cable should be 100 BASE-T
- D. The cable is too long

**Answer: D**

9. Which of the following APs does not support adaptive mode?

- A. AP7131
- B. AP6532
- C. AP650
- D. AP6521

**Answer: A**

10. Which of the following is the primary method of collision avoidance in an 802.11 CSMA/CA WLAN?

- A. Backoff Timer
- B. Carrier Sense
- C. Contention Window
- D. Enhanced Distributed Channel Access (EDCA)
- E. Distributed Coordination Function Interframe Spaces (DIFS)

**Answer: B**

11.You are designing a WLAN that will support multiple BSS IDs. One of the characteristics you need to take into consideration is that each BSS transmits a beacon every 100 ms. How many BSSs can be enabled on the following Motorola access points under WiNG 5: AP7131, AP650, AP6532?

- A. 2, one per radio
- B. 1 per AP, it is shared between the radios to provide seamless roaming
- C. 8, four per radio
- D. 16, eight per radio

**Answer: D**

12.You are deploying a new WLAN within the WiNG 5 architecture. Which of the following is the only UNSUPPORTED Motorola access point/port?

- A. AP-300
- B. AP-650
- C. AP-5131
- D. AP-7131

**Answer: C**

13.Your customer has requested that you configure unique VLANs for voice, normal user data with 802.1X security, guest access, and management traffic. Which of the following VLAN modes can support this request?

- A. Native Mode
- B. Access Mode
- C. Trunk Mode
- D. Aggregation Mode
- E. Encapsulation Mode

**Answer: C**

14.Which of the following statements regarding the configuration of Motorola RFS controllers is TRUE?

- A. ADSP can be used to push CLI profiles to APs and controllers.
- B. LANPlanner can be used to push CLI profiles to APs and controllers.
- C. RFMS can be used to perform predictive site surveys using an RFS controller
- D. WiNG 5 can be used to perform manual site surveys using an RFs controller
- E. CLI can be used to perform both manual and predictive site surveys using an RFS controller.

**Answer: A**

15.You have configured a Motorola RFS controller using WiNG 5 and have attempted to adopt a group of APs using L2 adoption but the adoption is not successful. You have confirmed the following:

-All of the APs have an Ethernet connection to the same LAN segment as the controller  
-Spanning Tree Protocol (STP) has been disabled on the APs next hop switch port  
-Intermediate firewalls are not blocking EtherType 0x8783

Given this scenario, which of the following is the most likely cause of the unsuccessful AP adoption?

- A. DHCP option 192 has not been defined on the DHCP server

- B. A local VLAN has been configured on both the controller and the APs
- C. The APs GE ports have been configured for an 802.1q-tagged native VLAN
- D. The APs GE ports have been configured for an 802.1q-untagged native VLAN

**Answer: C**