

Name: \_\_\_\_\_ Date: \_\_\_\_\_

1. Which technician is correct about the reason a keyless remote start might not be working?
  - A. Technician A: The trunk of the vehicle may be open.
  - B. Technician B: The key fob may be too far away from the vehicle.
  - C. Both Technicians A and B
  - D. Neither Technician A nor B
  
2. Regarding adjustable pedals, which technician is correct?
  - A. Technician A: Both the accelerator pedal and the brake pedal move.
  - B. Technician B: Only the brake pedal moves.
  - C. Both technicians are correct
  - D. Neither technician is correct
  
3. What can be used to check the operation of a rear window defogger, heated and cooled seats, heated steering wheel, or heated mirrors?
  - A. A voltmeter
  - B. A scan tool
  - C. Infrared camera
  - D. Some or all may be used
  
4. PM motors used in power windows, mirrors, and seats can be reversed by \_\_\_\_\_.
  - A. Sending current to a reversed field coil
  - B. Reversing the polarity of the current to the motor
  - C. Using a reverse relay circuit
  - D. Using a relay and a two-way clutch
  
5. How is the panel of a sunroof opened and closed?
  - A. With a reversible PM motor
  - B. By way of vacuum actuators
  - C. With a handle and cables
  - D. None of these
  
6. The thermoelectric device in heated and cooled seats operates based on which principle?
  - A. Joule's Law
  - B. Ohm's Law
  - C. Peltier effect
  - D. Faraday's Law
  
7. When diagnosing a fault with the remote engine start system, why should you ensure the vehicle is not located inside a garage?
  - A. To prevent exhaust fumes accumulation
  - B. To ensure better signal reception
  - C. To prevent overheating of the vehicle
  - D. To ensure the safety of other vehicles

8. How do over-the-air (OTA) module updates primarily communicate with the vehicle?
- A. Bluetooth
  - B. Wi-Fi
  - C. Cellular systems
  - D. Satellite communication
9. What is the primary function of the thermoelectric device (TED) in heated and cooled seats?
- A. To inflate the seat cushion
  - B. To transfer heat to or from air passing over the device
  - C. To provide lumbar support
  - D. To provide massage functions
10. Which vehicle manufacturer was the first to use OTA to update some of the electronic modules?
- A. Ford
  - B. Toyota
  - C. Tesla
  - D. BMW

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Chapter 57  
Multiple Choice Quiz A  
Answer Key

1. C
2. A
3. D
4. B
5. A
6. C
7. A
8. C
9. B
10. C