

Name \_\_\_\_\_

**MULTIPLE CHOICE. Choose the one alternative that best completes the statement or answers the question.**

- 1) Technician A says that the cruise control on a vehicle that uses an electronic throttle control (ETC) system uses a servo to move the throttle. Technician B says that the cruise control on a vehicle with ETC uses the APP sensor to set the speed. Which technician is correct? 1) \_\_\_\_\_
  - A) Technician A only
  - B) Technician B only
  - C) Both technicians
  - D) Neither technician
  
- 2) Power seats use a \_\_\_\_\_ to move the seats. 2) \_\_\_\_\_
  - A) lever
  - B) large solenoid
  - C) PM electric motor
  - D) spring
  
- 3) Most horns are grounded through a fusible link. 3) \_\_\_\_\_
  - A) True
  - B) False
  
- 4) A rain-sense wiper system uses a rain sensor that is usually mounted \_\_\_\_\_. 4) \_\_\_\_\_
  - A) behind the grille
  - B) outside of the windshield at the top
  - C) inside of the windshield at the top
  - D) on the roof
  
- 5) All of these could cause the wiper motor to run but NOT move the wipers, EXCEPT \_\_\_\_\_. 5) \_\_\_\_\_
  - A) stripped gears in the gearbox
  - B) loose or separated motor-to-gearbox connection
  - C) loose linkage to the motor connection
  - D) poor ground connection at the wiper switch
  
- 6) The horn switch on the steering wheel of a vehicle that uses a horn relay \_\_\_\_\_. 6) \_\_\_\_\_
  - A) sends electrical power to the horns
  - B) provides the ground circuit for the horn
  - C) grounds the control side of the relay
  - D) provides power (12 V) to the horn relay
  
- 7) A typical radar cruise control system uses \_\_\_\_\_. 7) \_\_\_\_\_
  - A) long-range radar (LRR)
  - B) short-range radar (SRR)
  - C) electronic throttle control system to control vehicle speed
  - D) all of the above

- 8) How is the panel of a sunroof opened and closed? 8) \_\_\_\_\_
- A) With a reversible PM motor
  - B) By way of vacuum actuators
  - C) With a handle and cables
  - D) None of these
- 9) The electronics in the rain-sense wiper module can detect the presence of rain drops under various lighting conditions. Which of these solid state components is used to sense rain drops? 9) \_\_\_\_\_
- A) Photo diode
  - B) Laser LED
  - C) Infrared light sensor
  - D) All of these
- 10) A bidirectional scan tool allows the technician to run the wiper motor forward and backwards. 10) \_\_\_\_\_
- A) True
  - B) False