

Automotive Electrical and Engine Performance 9th Edition
Chapter 21 – Body Electrical Accessories
Multiple Choice Questions Quiz A

1. What is the primary purpose of a vehicle's horn?
 - a) To alert drivers of nearby vehicles through the BCM
 - b) To emit a loud sound to alert others nearby of the vehicle
 - c) To synchronize with the car's audio system
 - d) To function as a secondary alarm for the vehicle

2. In a computer-controlled horn system, what component manages the operation of the horn relay?
 - a) The horn switch
 - b) The cruise control module
 - c) The body control module (BCM)
 - d) The airbag module

3. What is a common reason for a windshield wiper to stop at random points during its operation?
 - a) The wiper switch is faulty
 - b) The rain sensor has failed
 - c) The motor has inadequate power
 - d) The BCM is in sleep mode

4. Which sensor is typically responsible for controlling automatic windshield wipers in response to rainfall?
 - a) Pressure sensor
 - b) Rain-sense module (RSM)
 - c) Temperature sensor
 - d) Light sensor

5. In a rear window defogger, what component limits the defogger operation to avoid draining the battery?

- a) A voltage regulator
- b) A high-current fuse
- c) A timer relay
- d) The blower motor

6. Why might a vehicle's cruise control disengage unexpectedly over a bumpy road?

- a) Misadjusted brake safety switch
- b) Worn throttle actuator
- c) Low battery voltage
- d) High oil pressure in the engine

7. What issue could prevent all power windows from functioning correctly?

- a) Incorrect polarity at the window switch
- b) Defective blower motor
- c) A blown fuse in the power circuit
- d) A stuck windshield wiper switch

8. Which technology in power door locks allows the motor to operate without grounding the system?

- a) Pulse-width modulation
- b) Reversible PM (permanent magnet) motor
- c) Capacitor-based relay
- d) Stepper motor with position feedback

9. When servicing a power sunroof, what is the primary purpose of the drain tubes?

- a) To cool the sunroof motor
- b) To channel any water leaks outside the vehicle
- c) To provide structural stability to the roof
- d) To insulate the cabin from noise

10. How does a thermoelectric device in heated and cooled seats regulate the seat temperature?

- a) By reversing current polarity to alternate between heating and cooling
- b) By using a thermostat that adjusts based on external temperature
- c) Through resistive heating elements only
- d) With a series of heating coils connected in parallel

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Answer Key Quiz A

Correct Answers:

1. b
2. c
3. b
4. b
5. c
6. a
7. c
8. b
9. b
10. a