

Automotive Technology 7th Edition
Chapter 83
Multiple Choice Quiz B

Name: _____ Date: _____

1. The PCM check of both inputs and outputs for electrical issues does NOT include:
 - A. Opens
 - B. Shorts
 - C. Ground
 - D. Voltage irregularities

2. The comprehensive component monitor does NOT include which of the following?
 - A. Inputs from powertrain components to the PCM
 - B. Outputs to powertrain components from the PCM
 - C. Directly monitored devices by another monitor
 - D. The PCM itself

3. Which of the following is NOT an emission-related DTC?
 - A. Type A
 - B. Type B
 - C. Type C
 - D. Type E

4. What does the PCM do during a trip to test emission-related components?
 - A. Generates a freeze-frame
 - B. Sets a DTC
 - C. Monitors vehicle speed
 - D. Disables the EGR system

5. What is the difference between a trip and a warm-up cycle?
 - A. A warm-up cycle includes engine temperature reaching a set point
 - B. A trip is longer in duration
 - C. A trip includes a complete drive cycle
 - D. There is no difference

6. What could cause the MIL to flash?
 - A. A minor emission-related fault
 - B. An urgent engine misfire
 - C. A non-emission-related fault
 - D. A scheduled maintenance reminder

7. What modes are available using Mode \$06?
 - A. Current powertrain data
 - B. Freeze-frame data
 - C. Onboard monitoring of test results for non-continuously monitored systems
 - D. All of the above

8. A freeze-frame is generated on an OBD-II vehicle when:
- A. A type C or D diagnostic trouble code is set
 - B. A type A or B diagnostic trouble code is set
 - C. Every other trip
 - D. When the PCM detects a problem with the O2S
9. Which of the following is NOT a function of the task manager in a PCM?
- A. Authorizing the start of the O2S monitor
 - B. Authorizing the start of the EGR monitor at idle
 - C. Deciding the order of monitor execution
 - D. Running two monitors at the same time
10. The PCM may suspend a two-trip fault if:
- A. The fault is minor and does not affect emissions
 - B. A condition exists that may induce erroneous failure
 - C. The vehicle has not been started in a long time
 - D. The fault is related to the chassis or body systems

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Answer Key

1. D

2. C

3. D

4. C

5. A

6. B

7. D

8. B

9. D

10. B