

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

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

1. What is the primary function of the Accelerator Pedal Position (APP) sensor in an Electronic Throttle Control (ETC) system?
  - A. To control the throttle plate directly
  - B. To send pedal position information to the controller
  - C. To regulate fuel injection
  - D. To monitor engine temperature
  
2. In an ETC system, the throttle body cleaning is recommended under which of the following conditions?
  - A. High engine speed
  - B. Frequent acceleration
  - C. Lower than normal idle speed, rough idle, or coast-down stall
  - D. Overheating engine
  
3. What is the typical response of the throttle when the accelerator pedal is depressed with the transmission in PARK or NEUTRAL in a vehicle equipped with an ETC system?
  - A. The engine speed increases significantly
  - B. The engine speed does not increase above idle
  - C. The engine immediately shuts down
  - D. The engine speed increases to maximum RPM
  
4. Which of the following components is NOT part of a typical ETC system?
  - A. Throttle plate
  - B. Electric actuator DC motor
  - C. Dual TP sensors
  - D. Mechanical linkage
  
5. What is the default or 'limp-in' position of the throttle plate in an ETC system?
  - A. Fully closed
  - B. Fully open
  - C. Slightly open
  - D. Halfway open
  
6. During which condition is the PCM most likely to perform a self-test of the ETC system?
  - A. When the ignition switch is first rotated to the on position before the engine starts
  - B. During cruise speed when the throttle is steady
  - C. During acceleration
  - D. During deceleration
  
7. What does a green wrench symbol displayed on the dashboard typically indicate in relation to the ETC system?
  - A. System functioning correctly
  - B. A fault in the ETC in a Ford vehicle
  - C. Low fuel
  - D. Overheating engine

8. What is the recommended procedure for cleaning the throttle body in an ETC system?
- A. Remove the air inlet hose and clean with a shop cloth
  - B. Spray cleaner directly into the throttle body assembly
  - C. Use a high-pressure water jet for cleaning
  - D. No cleaning required
9. What type of electric motor is commonly used as the throttle plate actuator motor in an ETC system?
- A. Stepper motor
  - B. AC motor
  - C. Brushless motor
  - D. DC motor
10. What is the consequence of spraying cleaner directly into the throttle body assembly of an ETC system?
- A. Improved engine performance
  - B. Potential damage to TP sensors
  - C. Increased fuel efficiency
  - D. No effect

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Chapter 77

Multiple Choice Quiz A

Answer Key

1. B

2. C

3. B

4. D

5. C

6. A

7. B

8. A

9. D

10. B