

Name _____

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

- 1) Which type of port fuel-injection system uses a fuel temperature and/or fuel-pressure sensor? 1) _____
 - A) All port fuel-injected engines
 - B) TBI units only
 - C) Electronic returnless systems
 - D) Demand delivery systems

- 2) The fuel injector in a central port fuel injection system is called a(n) _____. 2) _____
 - A) injector element
 - B) poppet nozzle
 - C) linear tip
 - D) injector tube

- 3) Which one of these sensors is NOT used to determine injector pulse width during open-loop mode? 3) _____
 - A) ECT sensor
 - B) TP sensor
 - C) MAF sensor
 - D) Oxygen sensor

- 4) Which type of port fuel injection fires each injector separately, following the engine firing order? 4) _____
 - A) Sequential fired
 - B) Ganged double fire
 - C) Simultaneous double fired
 - D) Throttle body injection

- 5) Technician A says that vacuum-operated fuel pressure regulators maintain an equal pressure drop across the fuel injectors all the time. Technician B says that intake manifold pressure is high at idle. Which technician is correct? 5) _____
 - A) Technician A only
 - B) Technician B only
 - C) Both technicians
 - D) Neither technician

- 6) Which sensor has the greatest influence on injector pulse width besides the MAF sensor? 6) _____
 - A) IAT
 - B) BARO
 - C) ECT
 - D) TP

- 7) Which term describes the PCM shutting off fuel injection when the accelerator is pressed all the way down? 7) _____
- A) Clear flood mode
 - B) Starting mode
 - C) Open loop mode
 - D) Closed loop mode
- 8) Which sensor is used to calculate the amount of fuel required using the speed density method? 8) _____
- A) MAP sensor
 - B) TP sensor
 - C) ECT and IAT sensors
 - D) All of these are used.
- 9) What type of device is used in a typical idle air control? 9) _____
- A) DC motor
 - B) Stepper motor
 - C) Pulsator-type actuator
 - D) Solenoid
- 10) Which type of port fuel injection allows mixture adjustments between the firing of each cylinder? 10) _____
- A) Sequential
 - B) Ganged
 - C) Simultaneous
 - D) Throttle body

Answer Key

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1) C

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2) B

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3) A

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4) A

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5) A

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6) D

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7) A

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8) D

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9) B

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10) A

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