

Name _____

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

- 1) Technician A says that fuel pressure regulators are often located on the return side of the fuel rail. Technician B says that the fuel pressure regulator is located in the fuel tank on vehicles using returnless systems. Which technician is correct? 1) _____
 - A) Technician A only
 - B) Technician B only
 - C) Both Technicians A and B
 - D) Neither Technician A nor B

- 2) Where is the fuel-pressure regulator located on a return-type fuel-injection system? 2) _____
 - A) In the tank
 - B) At the inlet of the fuel rail
 - C) At the outlet of the fuel rail
 - D) Near or on the fuel filter

- 3) Where is the fuel injected in an engine equipped with gasoline direct injection? 3) _____
 - A) Into the intake manifold near the intake valve
 - B) Directly into the combustion chamber
 - C) Above the intake port
 - D) In the exhaust port

- 4) What part turns the fuel injectors on and off? 4) _____
 - A) PCM
 - B) MAF sensor
 - C) MAP sensor
 - D) Ignition system

- 5) The fuel pressure regulator can be mounted where? 5) _____
 - A) On the fuel rail
 - B) Part of the fuel pump module assembly
 - C) Inside the engine under the intake manifold
 - D) Either A or B

- 6) GDI fuel injectors operate under a pressure of about _____. 6) _____
 - A) 35 to 45 PSI
 - B) 90 to 150 PSI
 - C) 500 to 2,900 PSI
 - D) 2,000 to 5,000 PSI

- 7) What type of device is used in a typical idle air control unit? 7) _____
 - A) DC motor
 - B) Stepper motor
 - C) Pulsator-type actuator
 - D) Solenoid

- 8) Technician A says that most fuel injection systems use the PCM to control the pulsing of the fuel injectors. Technician B says that most fuel injection systems use the PCM to control the operation of the fuel pump relay. Which technician is correct? 8) _____
- A) Technician A only
 - B) Technician B only
 - C) Both Technicians A and B
 - D) Neither Technician A nor B
- 9) Technician A says that the fuel pump relay is usually controlled by the PCM. Technician B says that a TBI injector squirts fuel above the throttle plate. Which technician is correct? 9) _____
- A) Technician A only
 - B) Technician B only
 - C) Both Technicians A and B
 - D) Neither Technician A nor B
- 10) Where is the fuel squirted in an engine equipped with gasoline direct injection (GDI) fuel injection? 10) _____
- A) Into the intake manifold
 - B) Into the cylinder
 - C) Above the throttle plate
 - D) Under the throttle plate

Answer Key

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1) C

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2) C

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3) B

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4) A

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5) D

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6) C

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7) B

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8) C

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9) C

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10) B

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