

Name _____

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

- 1) During a fuel injector pressure drop test, the difference between any two fuel injectors should not exceed? 1) _____
 - A) 1.5 PSI
 - B) 15 PSI
 - C) 0.4 PSI
 - D) 14.7 PSI

- 2) On a vehicle with a speed density fuel injection system, which of the following is likely to occur with a vacuum leak? 2) _____
 - A) Increased idle speed
 - B) Increased MAP sensor voltage
 - C) Increased calculated load
 - D) All of these are correct.

- 3) All of the following statements are correct EXCEPT _____. 3) _____
 - A) Fuel injectors on a group-fire system are wired in series
 - B) The resistance of a group of injectors that fire at the same time can be tested together
 - C) Lower than specified injector resistance means the injector is shorted
 - D) None of these

- 4) What could be the problem if a noid light remains on (does not flash) with the engine cranking? 4) _____
 - A) Short to ground in the injector ground circuit, or defective PCM
 - B) Blown injector fuse
 - C) Low system voltage
 - D) High injector resistance

- 5) If the throttle plate needs to be cleaned, what symptoms will be present regarding the operation of the engine? 5) _____
 - A) Stalls
 - B) Rough idle
 - C) Hesitation on acceleration
 - D) Any of these

- 6) The fuel pressure drops rapidly when the engine is turned off. Technician A says that one or more injectors could be leaking. Technician B says that a defective check valve in the fuel pump could be the cause. Which technician is correct? 6) _____
 - A) Technician A only
 - B) Technician B only
 - C) Both technicians
 - D) Neither technician

- 7) The following statements are all correct EXCEPT _____. 7) _____
- A) Relearning the PCM should never be attempted
 - B) On engines operating very poorly, the PCM should be relearned after fuel system cleaning
 - C) Fuel systems that have never been cleaned may have developed wax deposits as well as carbon
 - D) The fuel rail and pressure regulator should be cleaned as well as fuel injectors
- 8) Throttle-body fuel-injection systems use what type of injector driver? 8) _____
- A) Peak and hold
 - B) Saturated switch
 - C) Pulse-width modulated
 - D) Pulsed
- 9) Fuel injection service is being discussed. Technician A says that the throttle plate(s) should be cleaned. Technician B says that the fuel rail should be cleaned. Which technician is correct? 9) _____
- A) Technician A only
 - B) Technician B only
 - C) Both technicians
 - D) Neither technician
- 10) Technician A says that a noid light can help when checking the fuel system in a no-start condition. Technician B says that the ignition system trigger device is used to synchronize fuel injection. Which technician is correct? 10) _____
- A) Technician A only
 - B) Technician B only
 - C) Both technicians
 - D) Neither technician

Answer Key

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1) A

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2) D

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3) A

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4) A

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5) D

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6) C

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7) A

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8) A

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9) C

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10) C

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