

Name _____

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

- 1) Which of these is a factory scan tool? 1) _____
 - A) Solus
 - B) IDS
 - C) Genisys
 - D) MS908P

- 2) Technician A says that knowing if there are any stored diagnostic trouble codes (DTCs) may be helpful when checking for related technical service bulletins (TSBs). Technician B says that only a factory scan tool should be used to retrieve DTCs. Which technician is correct? 2) _____
 - A) Technician A only
 - B) Technician B only
 - C) Both technicians A and B
 - D) Neither technician A nor B

- 3) When flash programing the PCM, which of these conditions must be met during programming? 3) _____
 - A) Battery voltage above 11 volts
 - B) Engine idling
 - C) Coolant temperature below 100°F
 - D) All of these must be met before programming

- 4) Which diagnostic step is the most important aspect of diagnosis? 4) _____
 - A) Visual inspection
 - B) Verify the problem
 - C) Retrieve the trouble codes
 - D) Check the service bulletins

- 5) Which of these best describes the purpose of flash programing? 5) _____
 - A) A momentary increase of voltage in order to erase the EEPROM in the PCM
 - B) Downloads new calibration files into the PCM memory
 - C) Use of high-intensity light pulses to change the programing in the PCM
 - D) None of these is correct

- 6) _____ are diagnostic procedures used to determine the general condition of the various systems. 6) _____
 - A) Pinpoint tests
 - B) General tests
 - C) Scan tool tests
 - D) TSBs

- 7) A bidirectional scan tool allows what kind of testing? 7) _____
 - A) Technician can operate components for testing
 - B) The scan tool works in forward and reverse gears
 - C) The scan tool has a screen on the front and back
 - D) All of these are correct

- 8) A Ford Power Stroke diesel has a rough idle. Which of these could be the cause? 8) _____
- A) A loose throttle cable
 - B) Fuel pressure while cranking is 510 PSI
 - C) Fuel pressure at idle is 425–475 PSI
 - D) None of these
- 9) If a repaired vehicle is to be inspected for emissions, which of these should NOT be done before delivering the vehicle to the customer? 9) _____
- A) Verify that the original concern has been corrected with a test drive
 - B) Clear all diagnostic trouble codes (DTCS)
 - C) Clean the vehicle
 - D) All of these should be done
- 10) A Cummins 6.7 liter diesel engine is hard to start. Which of these could be the cause? 10) _____
- A) Low-pressure pump readings (11.5 PSI)
 - B) Fuel pressure at idle (5,610 PSI)
 - C) Voltage at the injector (91 volts)
 - D) Fuel pressure while cranking (3,800 PSI)

Answer Key

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1) B

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2) A

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3) A

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4) A

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5) B

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6) B

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7) A

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8) C

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9) B

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10) D

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