

Name \_\_\_\_\_

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

- 1) The volume of fuel being returned to the tank is being discussed. Technician A says that it is normal for a small amount of fuel to be returned to the tank by the high-pressure pump and the injectors. Technician B says that any fuel being returned to the tank by the high-pressure pump or the injectors is an indication of a problem. 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) The low-pressure fuel system is being discussed. Technician A says that the system must provide an adequate volume of fuel to the high-pressure fuel injection system. Technician B says that the system must provide fuel at a minimum pressure to the high-pressure fuel injection system. 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) The low-pressure fuel system contains \_\_\_\_\_. 3) \_\_\_\_\_
- A) A transfer pump
  - B) The fuel filters
  - C) A fuel level sending unit/tank pick-up
  - D) All of the above
- 4) Replacement fuel filter elements are being discussed. Technician A says that an improperly installed filter element may result in fuel not being delivered to the high-pressure fuel injection system. Technician B says that the use of an incorrect fuel filter element may result in partially filtered fuel being delivered to the high-pressure fuel injection system. Which technician is correct? 4) \_\_\_\_\_
- A) Technician A only
  - B) Technician B only
  - C) Both technicians A and B
  - D) Neither technician A nor B
- 5) When testing the low-pressure fuel system, many manufacturers will test for fuel \_\_\_\_\_ instead of pressure. 5) \_\_\_\_\_
- A) Density
  - B) Volume
  - C) Color
  - D) BTU content

- 6) Which of these is NOT used to manufacture low-pressure fuel lines? 6) \_\_\_\_\_
- A) Braided steel
  - B) Nylon
  - C) Plastic
  - D) Rubber
- 7) What is the purpose of the fuel heater in a diesel fuel system? 7) \_\_\_\_\_
- A) Allows higher RPM
  - B) Prevents ice in the fuel
  - C) Prevents gelling in cold weather
  - D) Increases cetane levels
- 8) The diesel fuel tank includes a vent that is routed to \_\_\_\_\_. 8) \_\_\_\_\_
- A) A charcoal canister
  - B) Atmosphere
  - C) A small pump
  - D) The air cleaner housing
- 9) The most common system for fuel filtering is the \_\_\_\_\_ filter-type system. 9) \_\_\_\_\_
- A) Triple
  - B) Dual
  - C) Piggyback
  - D) Angle
- 10) Air in the low-pressure fuel system can cause all of these EXCEPT \_\_\_\_\_. 10) \_\_\_\_\_
- A) Hard starting
  - B) High idle speed
  - C) Low power
  - D) Rough idle

## Answer Key

Testname: LVDE1\_12B

1) A

Page Ref: 140

2) C

Page Ref: 135

3) D

Page Ref: 135

4) C

Page Ref: 139

5) B

Page Ref: 140

6) D

Page Ref: 137

7) C

Page Ref: 138

8) B

Page Ref: 135

9) B

Page Ref: 138

10) B

Page Ref: 137