

Name \_\_\_\_\_

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

- 1) Two technicians are discussing the nitrate level in the engine coolant. Technician A says the nitrate level can be checked with test strips. Technician B says that low nitrate levels may cause cylinder damage. 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) Most manufacturers recommend \_\_\_\_\_ coolant in their engines. 2) \_\_\_\_\_
  - A) Alcohol-based
  - B) Premixed
  - C) Acid-based
  - D) Green
  
- 3) During the service of a modern light-duty vehicle, the service technician finds the low DEF indicator illuminated. After refilling the system, the service technician notices the light is still illuminated. What is the *most likely* cause of this condition? 3) \_\_\_\_\_
  - A) The level sensor may be inoperative and the reservoir may need to be replaced.
  - B) This is normal for some light-duty diesel vehicles.
  - C) A scan tool is needed to reset the indicator after the vehicle has been serviced.
  - D) The technician should check the type of DEF used as this is an indication that the wrong fluid was added to the reservoir.
  
- 4) During a pre-maintenance check the technician notices the engine oil level is low. What should the technician do next? 4) \_\_\_\_\_
  - A) Inspect for oil leaks
  - B) Add oil and test drive
  - C) Measure again using a different dip stick
  - D) Check for TSBs concerning low oil levels
  
- 5) If the driver ignores the DEF reminder light for too long of a time, what may happen? 5) \_\_\_\_\_
  - A) The engine will have reduced power
  - B) The engine may not run at all
  - C) Either A or B
  - D) Neither A nor B
  
- 6) While filling the DEF tank some DEF has been spilled. What should the technician do? 6) \_\_\_\_\_
  - A) Wash the area with water
  - B) Surround the spill with haz-mat sponges
  - C) Soak up the DEF with rags and dispose with used oil filters
  - D) None of these is the proper procedure

- 7) After an oil and oil filter service on a diesel engine, the \_\_\_\_\_ may need to be reset. 7) \_\_\_\_\_
- A) History codes
  - B) Filter minder
  - C) Trip odometer
  - D) Maintenance monitor
- 8) During maintenance pre-check, the service technician finds the oil level in the engine to be overfull. What could cause this condition? 8) \_\_\_\_\_
- A) Diesel fuel contamination
  - B) A leaking cooling system
  - C) Overfill during a previous service
  - D) Any of the above
- 9) The service interval for cooling system service may be as low as \_\_\_\_\_ miles between changes. 9) \_\_\_\_\_
- A) 110,000
  - B) 40,000
  - C) 20,000
  - D) 36,000
- 10) When checking the cooling system on a late model light-duty diesel vehicle what additional inspections may be necessary? 10) \_\_\_\_\_
- A) The vehicle may have a secondary cooling fan
  - B) The vehicle may have a secondary cooling system
  - C) The radiator may have two pressure caps
  - D) The accessory belt must be removed to properly fill the cooling system

## Answer Key

Testname: LVDE1\_16B

1) C

Page Ref: 179

2) B

Page Ref: 179

3) B

Page Ref: 180

4) A

Page Ref: 176

5) C

Page Ref: 180

6) A

Page Ref: 181

7) D

Page Ref: 178

8) D

Page Ref: 176

9) B

Page Ref: 179

10) B

Page Ref: 179