

Name _____

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

- 1) A 3.0 liter VM diesel engine is being discussed. Technician A says that this engine uses diesel exhaust fluid. Technician B says that a 3.0 liter engine is small enough that it does not need diesel exhaust fluid. 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 boost pressure sensor located on the Jeep 3.0 liter diesel engine? 2) _____
 - A) On the brake booster
 - B) On top of the intake manifold
 - C) On the turbocharger air outlet
 - D) On the turbocharger air inlet

- 3) The 3.0 liter VM diesel engine uses _____ to drive the engine oil pump. 3) _____
 - A) A chain
 - B) A gear drive from the camshaft
 - C) The inner flywheel drive gear
 - D) The crankshaft

- 4) The turbo charger on a 3.0 liter VM diesel engine is being discussed. Technician A says that it is a two-stage design with a primary and a secondary turbine. Technician B says that it is a variable-vane type turbocharger. 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) Which of these statements is true about the high-pressure fuel pump? 5) _____
 - A) It is driven by the camshaft and requires timing.
 - B) It is equipped with a cascade overflow valve.
 - C) It is a two-cylinder design.
 - D) All of the above are true.

- 6) The cylinder head gaskets for the 3.0 liter VM diesel engine are available in how many different thicknesses? 6) _____
 - A) 1
 - B) 2
 - C) 3
 - D) 5

- 7) The 3.0 liter diesel engine used by Chrysler is manufactured in _____. 7) _____
- A) Rome
 - B) Romania
 - C) Italy
 - D) Detroit
- 8) Where is the fuel filter located on a Grand Cherokee equipped with a diesel engine? 8) _____
- A) Under the hood
 - B) Near the fuel tank
 - C) Under the battery
 - D) In the luggage area
- 9) The DEF level on a 3.0 liter VM diesel equipped vehicle has fallen to less than 0.6 gallons. How will the vehicle react to this? 9) _____
- A) The engine will not start
 - B) The engine will start but will only run at idle speed
 - C) Vehicle will not go more than 40 mph
 - D) The heater will not produce heat
- 10) During servicing, the cam sensor on a 3.0 liter VM diesel has been left disconnected. What will be the likely result? 10) _____
- A) A rough idle
 - B) High idle speed
 - C) A dead battery
 - D) The engine will not start.

Answer Key

Testname: LVDE1_25A

1) A

Page Ref: 319

2) B

Page Ref: 316

3) D

Page Ref: 311

4) B

Page Ref: 311

5) D

Page Ref: 314

6) C

Page Ref: 312

7) C

Page Ref: 309

8) B

Page Ref: 314

9) A

Page Ref: 319

10) D

Page Ref: 316