

Name \_\_\_\_\_

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

- 1) Specifications for diesel fuel include \_\_\_\_\_. 1) \_\_\_\_\_  
A) Cloud point  
B) Pour point  
C) Flash point  
D) All of the above
- 2) Technician A says that the glow plugs are used to help start a diesel engine and are shut off as soon as the engine starts. Technician B says that the glow plugs are turned off as soon as a flame is detected in the combustion chamber. Which technician is correct? 2) \_\_\_\_\_  
A) Technician A only  
B) Technician B only  
C) Both technicians  
D) Neither technician
- 3) Diesel fuel systems \_\_\_\_\_. 3) \_\_\_\_\_  
A) Separate water from the fuel  
B) Do not include evaporative emissions systems  
C) Both A and B  
D) Neither A nor B
- 4) Technician A says that diesel engines use heavy duty components because of the lower compression. Technician B says that diesel and gasoline powered vehicles use the same fuel tank and fuel pump. Which technician is correct? 4) \_\_\_\_\_  
A) Technician A only  
B) Technician B only  
C) Both technicians  
D) Neither technician
- 5) What tool is used to test the specific gravity of diesel fuel? 5) \_\_\_\_\_  
A) API hydrometer  
B) Spectrometer  
C) Gas chromatograph  
D) None of these
- 6) Technician A says that diesel engines can be tested using a scan tool to determine sensor values. Technician B says that glow plugs can be used to locate a weak cylinder. Which technician is correct? 6) \_\_\_\_\_  
A) Technician A only  
B) Technician B only  
C) Both technicians  
D) Neither technician

- 7) Technician A says that diesel engine speed is controlled by changing the amount of intake air. Technician B says that diesel engine speed is controlled by changing the amount of fuel delivered. Which technician is correct? 7) \_\_\_\_\_
- A) Technician A only
  - B) Technician B only
  - C) Both technicians
  - D) Neither technician
- 8) A diesel engine with high mileage emits black smoke when running. This can be caused by \_\_\_\_\_. 8) \_\_\_\_\_
- A) Excessive fuel in the cylinders
  - B) Restricted injectors
  - C) Clogged fuel filter
  - D) Low fuel in the fuel tank
- 9) The specific gravity of diesel fuel should be measured whenever a driveability concern is present. 9) \_\_\_\_\_
- A) True
  - B) False
- 10) Selective catalytic reduction (SCR) uses urea injection to reduce \_\_\_\_\_ emissions. 10) \_\_\_\_\_
- A) NO<sub>x</sub>
  - B) CO<sub>2</sub>
  - C) H<sub>2</sub>O
  - D) CO

## Answer Key

Testname: ENGINE PERF5\_4A

1) D

Page Ref: 79

2) D

Page Ref: 77

3) C

Page Ref: 73

4) D

Page Ref: 72-73

5) A

Page Ref: 80

6) C

Page Ref: 86

7) B

Page Ref: 70

8) A

Page Ref: 85

9) A

Page Ref: 79

10) A

Page Ref: 84