

Name \_\_\_\_\_

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

- 1) A flex-fuel vehicle can be identified by \_\_\_\_\_. 1) \_\_\_\_\_
  - A) Emblems on the side, front, and/or rear of the vehicle
  - B) VECI
  - C) VIN
  - D) Any of the above
  
- 2) Wear a short sleeve shirt when working with fuels, so any spills can be easily washed off. 2) \_\_\_\_\_
  - A) True
  - B) False
  
- 3) Which is the most widely used alternative fuel? 3) \_\_\_\_\_
  - A) E85
  - B) Propane
  - C) CNG
  - D) M85
  
- 4) A flex-fuel vehicle has enhanced fuel system components that include all of these EXCEPT \_\_\_\_\_. 4) \_\_\_\_\_
  - A) Low temperature resistant O-rings
  - B) Stainless steel fuel rails
  - C) Corrosion resistant fuel injectors
  - D) Corrosion resistant fuel pump
  
- 5) An engine designed to burn CNG may include what design modifications? 5) \_\_\_\_\_
  - A) Increased compression ratio
  - B) Lower valve lift
  - C) Lighter and thinner pistons
  - D) None of these
  
- 6) A flex-fuel vehicle uses the PCM to make adjustments to the engine according to the percentage of ethanol in the fuel. The PCM must adjust which engine settings? 6) \_\_\_\_\_
  - A) Quantity of fuel delivered
  - B) Ignition timing
  - C) Both A and B
  - D) Neither A nor B
  
- 7) Technician A says that vehicles capable of using 100% ethanol are known as flex fuel vehicles. Technician B says that using E85 in a flex fuel vehicle will result in less horsepower. Which technician is correct? 7) \_\_\_\_\_
  - A) Technician A only
  - B) Technician B only
  - C) Both technicians
  - D) Neither technician

8) A vehicle using ethanol-based fuel produces less \_\_\_\_\_ as an exhaust emission. 8) \_\_\_\_\_  
A) CO<sub>2</sub>  
B) O<sub>2</sub>  
C) H<sub>2</sub>O  
D) CO

9) E85 means that the fuel is made from \_\_\_\_\_. 9) \_\_\_\_\_  
A) 85% gasoline, 15% ethanol  
B) 85% ethanol, 15% gasoline  
C) Ethanol that has 15% water  
D) Pure ethyl alcohol

10) A vehicle burning CNG loses about \_\_\_\_\_ percent power as compared to gasoline. 10) \_\_\_\_\_  
A) 10  
B) 85  
C) Zero  
D) 40

## Answer Key

Testname: ENGINEPERF5\_6A

1) D

Page Ref: 112

2) B

Page Ref: 121

3) B

Page Ref: 115

4) A

Page Ref: 111

5) A

Page Ref: 116

6) C

Page Ref: 111

7) D

Page Ref: 110

8) D

Page Ref: 111

9) B

Page Ref: 109

10) A

Page Ref: 116