

Name _____

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

- 1) All these are returnless fuel systems EXCEPT _____. 1) _____
 - A) Electronic returnless fuel system
 - B) Mechanical returnless fuel system
 - C) Demand delivery system
 - D) All of these are types of returnless systems.

- 2) Which type of port fuel-injection system uses a fuel temperature and/or fuel-pressure sensor? 2) _____
 - A) All port fuel-injected engines
 - B) TBI units only
 - C) Electronic returnless systems
 - D) Demand delivery systems

- 3) Technician A says that all injectors in a sequential fuel injection system often use the same power wire. Technician B says that each injector in a sequential fuel injection system should have a different ground wire. Which technician is correct? 3) _____
 - A) Technician A only
 - B) Technician B only
 - C) Both technicians
 - D) Neither technician

- 4) Dampeners are used on some fuel rails to _____. 4) _____
 - A) increase the fuel pressure in the rail
 - B) reduce (decrease) the fuel pressure in the rail
 - C) reduce noise
 - D) trap dirt and keep it away from the injectors

- 5) Technician A says that fuel pressure regulators are often located on the return side of the fuel rail. Technician B says that the fuel pressure regulator is located at the fuel tank on vehicles using mechanical returnless systems. Which technician is correct? 5) _____
 - A) Technician A only
 - B) Technician B only
 - C) Both technicians
 - D) Neither technician

- 6) The fuel injector in a central port fuel injection system is called a(an) _____. 6) _____
 - A) Injector element
 - B) Poppet nozzle
 - C) Linear tip
 - D) Injector tube

- 7) All of the following statements are correct EXCEPT _____. 7) _____
- A) Fuel makes contact with the injector windings
 - B) Fuel cools the injector
 - C) O-rings seal the injector to keep fuel away from the windings
 - D) Dirt and water are more likely to contaminate the injectors if the fuel level is low
- 8) Technician A says that an idle air control valve controls the airflow past closed throttle plates. Technician B says that the idle air control valve is usually controlled by a stepper motor. Which technician is correct? 8) _____
- A) Technician A only
 - B) Technician B only
 - C) Both technicians
 - D) Neither technician
- 9) A sequential fuel injection system uses a _____ to time the fuel injection pulses. 9) _____
- A) CMP sensor
 - B) MAP sensor
 - C) Spark sensor
 - D) Throttle body sensor
- 10) All these methods can calculate airflow EXCEPT _____. 10) _____
- A) Load calculation
 - B) Mass airflow
 - C) Speed density
 - D) All of these are methods of calculating the air-fuel mixture.

Answer Key

Testname: AEEP8_37A

1) D

Page Ref: 545-547

2) C

Page Ref: 546

3) C

Page Ref: 544

4) C

Page Ref: 548

5) C

Page Ref: 544, 546

6) B

Page Ref: 549

7) A

Page Ref: 540

8) C

Page Ref: 551

9) A

Page Ref: 544

10) A

Page Ref: 540