

Name _____

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

- 1) Two technicians are discussing MAP sensor testing. Technician A says that the MAP sensor should be replaced if anything comes out of the sensor when the vacuum hose is removed from the sensor. Technician B says that the injector pulse width should increase when vacuum to the MAP sensor is increased. Which technician is correct? 1) _____
 - A) Technician A only
 - B) Technician B only
 - C) Both technicians
 - D) Neither technician

- 2) The MAP sensor is used to check the operation of the _____ on OBD II vehicles. 2) _____
 - A) TP sensor
 - B) EGR system
 - C) Backup system
 - D) Main system

- 3) A scan tool can be used to test a MAP sensor by monitoring the injector pulse width (in milliseconds) when _____ is being applied to the MAP sensor. 3) _____
 - A) Voltage
 - B) Vacuum
 - C) Air pressure
 - D) Ground

- 4) Technician A says that pressure below atmospheric pressure is called vacuum and is measured in inches of Mercury (Hg). Technician B says that a manifold absolute pressure (MAP) sensor uses a low vacuum in the sensor to determine the pressure. Which technician is correct? 4) _____
 - A) Technician A only
 - B) Technician B only
 - C) Both technicians
 - D) Neither technician

- 5) Technician A says that a heavy engine load results in high intake manifold vacuum and a high MAP sensor signal voltage. Technician B says that a MAP sensor uses a perfect vacuum (zero absolute pressure) in the sensor to determine the pressure. Which technician is correct? 5) _____
 - A) Technician A only
 - B) Technician B only
 - C) Both technicians
 - D) Neither technician

- 6) The MAP and BARO sensor may be the same sensor. 6) _____
 - A) True
 - B) False

- 7) A P0106 DTC is being discussed. Technician A says a MAP sensor O-ring damaged or missing could be the cause. Technician B says a defective MAP sensor could be the cause. Which technician is correct? 7) _____
- A) Technician A only
 - B) Technician B only
 - C) Both technicians
 - D) Neither technician
- 8) A P0107 DTC is being discussed. Technician A says that a defective MAP sensor could be the cause. Technician B says that a MAP sensor signal wire shorted-to-ground could be the cause. Which technician is correct? 8) _____
- A) Technician A only
 - B) Technician B only
 - C) Both technicians
 - D) Neither technician
- 9) A P0108 DTC is being discussed. Technician A says a MAP sensor O-ring damaged or missing could be the cause. Technician B says the MAP sensor signal circuit shorted-to-ground could be the cause. Which technician is correct? 9) _____
- A) Technician A only
 - B) Technician B only
 - C) Both technicians
 - D) Neither technician
- 10) Technician A says that MAP sensors use a 5-volt reference voltage from the PCM. Technician B says the MAP sensor voltage will be higher at idle at high altitudes compared to when the engine is operating at near sea level. Which technician is correct? 10) _____
- A) Technician A only
 - B) Technician B only
 - C) Both technicians
 - D) Neither technician

Answer Key

Testname: AEEP8_33A

1) A

Page Ref: 466-467

2) B

Page Ref: 464

3) B

Page Ref: 467

4) A

Page Ref: 461

5) C

Page Ref: 461-462

6) A

Page Ref: 465

7) C

Page Ref: 467

8) C

Page Ref: 467

9) A

Page Ref: 467

10) C

Page Ref: 462, 465