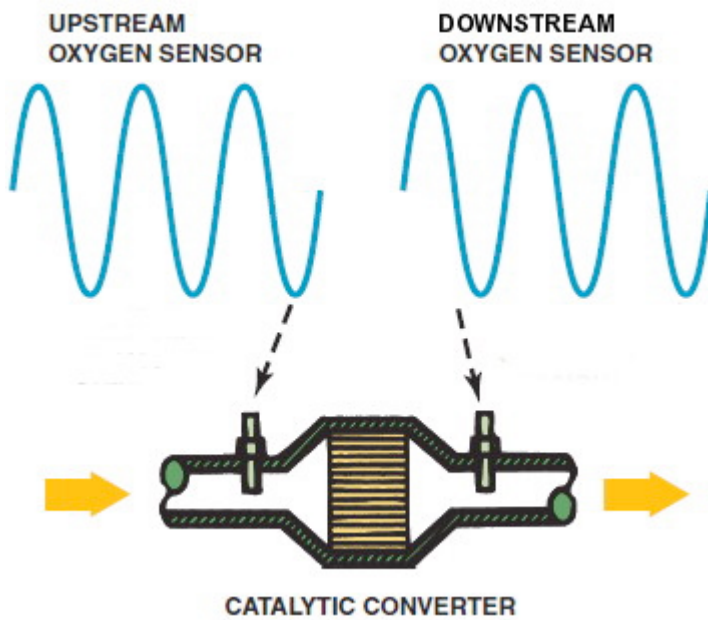


Name \_\_\_\_\_

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

- 1) Technician A says that PCV valves should rattle when shaken. Technician B says that defective PCV systems may cause leaking engine seals. Which technician is correct? 1) \_\_\_\_\_
- A) Technician A only
  - B) Technician B only
  - C) Both technicians
  - D) Neither technician

- 2) The O<sub>2</sub> sensors in this OBD II system are sending a voltage signal as shown. What conclusion can be made about the catalytic converter? 2) \_\_\_\_\_



- A) The CAT is working correctly
  - B) The CAT is not working correctly
  - C) The engine is not running, so the CAT is not functioning
  - D) Not enough information
- 3) All of the following statements are correct EXCEPT \_\_\_\_\_. 3) \_\_\_\_\_
- A) Linear EGR systems require exhaust backpressure
  - B) OBD-II vehicles require monitoring of the EGR system
  - C) Some systems use a delta pressure feedback system to monitor EGR operation by measuring exhaust system pressure
  - D) Many vehicles use the MAP sensor to monitor EGR operation

- 4) Which of these conditions will disable the electric AIR pump? 4) \_\_\_\_\_  
A) The PCM has set a DTC for the AIR system  
B) The AIR pump has been on for more than 240 seconds  
C) The MAP sensor shows a pressure of less than 20 kPa  
D) All of these are correct
- 5) Which of the following are symptoms of a fault in the EGR system? 5) \_\_\_\_\_  
A) Detonation during acceleration or cruise  
B) Excessive NO<sub>x</sub> emissions  
C) Rough idle and stalling  
D) All of these
- 6) A P0401 is being discussed. Technician A says that a stuck-closed EGR valve could be the cause. Technician B says that clogged EGR ports could be the cause. Which technician is correct? 6) \_\_\_\_\_  
A) Technician A only  
B) Technician B only  
C) Both technicians  
D) Neither technician
- 7) The OBD-II evaporative emission system monitor on a 2008 vehicle can detect a hole as small as \_\_\_\_\_ 7) \_\_\_\_\_  
A) 0.040" diameter  
B) 0.020" diameter  
C) 0.400" diameter  
D) 0.200" diameter
- 8) All these are causes of catalytic converter failure EXCEPT \_\_\_\_\_. 8) \_\_\_\_\_  
A) Contamination  
B) Excessive temperature  
C) Incorrect air/ fuel mixture  
D) All of these are causes of converter failure
- 9) Which device protects the air pump from reverse exhaust pressure? 9) \_\_\_\_\_  
A) Check valve  
B) PCV valve  
C) EGR valve  
D) IAC valve
- 10) An EGR valve that is partially stuck open would MOST LIKELY cause what condition? 10) \_\_\_\_\_  
A) Rough idle/stalling  
B) Excessive NO<sub>x</sub> exhaust emissions  
C) Ping (spark knock or detonation)  
D) Missing at highway speed

## Answer Key

Testname: ENGINEPERF5\_32B

1) C

Page Ref: 500

2) B

Page Ref: 507

3) A

Page Ref: 494

4) D

Page Ref: 503

5) D

Page Ref: 495

6) C

Page Ref: 496

7) B

Page Ref: 514

8) D

Page Ref: 507

9) A

Page Ref: 502

10) A

Page Ref: 495