

Name \_\_\_\_\_

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

- 1) HC and CO are high and CO<sub>2</sub> and O<sub>2</sub> are low. This could be caused by a \_\_\_\_\_. 1) \_\_\_\_\_  
A) rich mixture  
B) lean mixture  
C) defective ignition component  
D) clogged EGR passage
- 2) A clogged EGR could cause excessive \_\_\_\_\_ exhaust emissions. 2) \_\_\_\_\_  
A) HC  
B) CO  
C) NO<sub>x</sub>  
D) CO<sub>2</sub>
- 3) A dizzy feeling or a headache could indicate the presence of carbon monoxide (CO). 3) \_\_\_\_\_  
A) True  
B) False
- 4) Which EPA bin number indicates a cleaner vehicle? 4) \_\_\_\_\_  
A) 3  
B) 8  
C) 10  
D) 11
- 5) NO<sub>x</sub> readings at idle should be less than \_\_\_\_\_. 5) \_\_\_\_\_  
A) 100 ppm  
B) 10 ppm  
C) 1 ppm  
D) none of these is correct
- 6) Which gas is generally considered to be the rich indicator? (The higher the level of this gas, the richer the air-fuel mixture.) 6) \_\_\_\_\_  
A) HC  
B) CO  
C) CO<sub>2</sub>  
D) O<sub>2</sub>
- 7) After the following exhaust emissions were measured, how was the engine operating? 7) \_\_\_\_\_  
HC = 766 PPM    CO<sub>2</sub> = 8.2%    CO = 4.6%    O<sub>2</sub> = 0.1%  
A) Too rich  
B) Too lean  
C) Normal running  
D) Not enough information

- 8) Which gas is generally considered to be the lean indicator? (The higher the level of this gas, the leaner the air-fuel mixture.) 8) \_\_\_\_\_
- A) HC
  - B) CO
  - C) CO<sub>2</sub>
  - D) O<sub>2</sub>
- 9) Which gas indicates efficiency? (The higher the level of this gas, the more efficient the engine is operating.) 9) \_\_\_\_\_
- A) HC
  - B) CO
  - C) CO<sub>2</sub>
  - D) O<sub>2</sub>
- 10) An OBD-II vehicle testing program uses a tester that connects to the vehicle battery. 10) \_\_\_\_\_
- A) True
  - B) False

## Answer Key

Testname: AT6\_84A

1) A

Page Ref: 980

2) C

Page Ref: 981

3) A

Page Ref: 983

4) A

Page Ref: 984

5) A

Page Ref: 981

6) B

Page Ref: 981

7) A

Page Ref: 981

8) D

Page Ref: 981

9) C

Page Ref: 980

10) B

Page Ref: 985