

Name \_\_\_\_\_

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

- 1) The switching valves on the AIR pump have failed several times. Technician A says that a defective exhaust check valve could be the cause. Technician B says that a leaking exhaust system at the muffler could be the cause. Which technician is correct? 1) \_\_\_\_\_  
A) Technician A only  
B) Technician B only  
C) Both technicians  
D) Neither technician
- 2) An electric SAI pump is controlled by \_\_\_\_\_. 2) \_\_\_\_\_  
A) a vacuum switch  
B) the PCM  
C) exhaust pressure  
D) manifold vacuum
- 3) All engines are equipped with a PCV valve. 3) \_\_\_\_\_  
A) True  
B) False
- 4) Two technicians are discussing exhaust check valves used in SAI systems. Technician A says that they are used to prevent the output from the SAI pump from entering the intake manifold. Technician B says the check valves are used to keep the exhaust from entering the AIR pump. Which technician is correct? 4) \_\_\_\_\_  
A) Technician A only  
B) Technician B only  
C) Both technicians  
D) Neither technician
- 5) A P0410 DTC indicates a problem with \_\_\_\_\_. 5) \_\_\_\_\_  
A) the SAI solenoid  
B) MAF airflow  
C) the idle control system  
D) none of these
- 6) What term is used to describe combustion gasses leaking past cylinder rings? 6) \_\_\_\_\_  
A) Blow by  
B) Manifold pressure  
C) Sludge  
D) Crankcase build-up

- 7) Technician A says that if a PCV valve rattles, then it is okay and does not need to be replaced. Technician B says that if a PCV valve does not rattle, it should be replaced. Which technician is correct? 7) \_\_\_\_\_
- A) Technician A only
  - B) Technician B only
  - C) Both technicians
  - D) Neither technician
- 8) The SAI system is used to reduce which exhaust emission? 8) \_\_\_\_\_
- A) HC
  - B) CO
  - C) NO<sub>x</sub>
  - D) Both HC and CO
- 9) In what year did PCV system monitoring become mandatory? 9) \_\_\_\_\_
- A) 2004
  - B) 1996
  - C) 1988
  - D) 2000
- 10) How much of the air needed by the engine flows through the PCV system when the engine is at idle speed? 10) \_\_\_\_\_
- A) 1 to 3%
  - B) 5 to 10%
  - C) 10 to 20%
  - D) Up to 30%

## Answer Key

Testname: AT6\_87B

1) A

Page Ref: 1007

2) B

Page Ref: 1007

3) B

Page Ref: 1004

4) B

Page Ref: 1006

5) A

Page Ref: 1006

6) A

Page Ref: 1003

7) B

Page Ref: 1005

8) D

Page Ref: 1006

9) A

Page Ref: 1005

10) D

Page Ref: 1004