Quiz 76A	
Name	
MULTIPLE CHOICE. Choose the one alternative that best completes the statement or answers the quest	tion.
 1) When measuring the output signal of a MAP sensor on a General Motors vehicle, the digital multimeter should be set to read A) DC volts B) AC volts C) frequency in Hz D) DC amperes 	1)
 2) A P0106 DTC is being discussed. Technician A says a damaged or missing MAP sensor O-ring could be the cause. Technician B says a defective MAP sensor could be the cause. Who is right? A) Technician A only B) Technician B only C) Both technicians D) Neither technician 	2)
3) Technician A says that MAP sensors use a 5-volt reference voltage from the PCM. Technician B says that the MAP sensor voltage will be higher at idle at high altitudes compared to when the engine is operating at near sea level. Who is right? A) Technician A only B) Technician B only C) Both technicians D) Neither technician	3)

could be the cause. Technician B says a defective MAP sensor could be the cause. Who is r. A) Technician A only B) Technician B only C) Both technicians D) Neither technician	ight?
 3) Technician A says that MAP sensors use a 5-volt reference voltage from the PCM. Technic says that the MAP sensor voltage will be higher at idle at high altitudes compared to wher engine is operating at near sea level. Who is right? A) Technician A only B) Technician B only C) Both technicians D) Neither technician 	
 4) A scan tool can be used to test a MAP sensor by monitoring the injector pulse width (in milliseconds) while is being applied to the MAP sensor. A) voltage B) vacuum C) air pressure D) ground 	4)
5) When the engine is at idle speed, manifold vacuum is A) low (1 to 4 in. Hg) B) fluctuating from 8 to 10 in. Hg C) high (17 to 21 in. Hg) D) zero	5)
 6) A MAP sensor is being discussed. Technician A says that many MAP sensors act as a baron pressure sensor when the ignition switch is turned off. Technician B says that on many MAP sensors the signal voltage should increase when the vacuum at the sensor decreases. Who right? A) Technician A only B) Technician B only C) Both technicians 	AP

D) Neither technician

7) Technician A says that a MAP sensor can be tested by visual inspection, using a digital meter, or	7)
a scan tool. Technician B says a light engine load results in low intake manifold vacuum and a	
high MAP sensor signal voltage. Who is right?	
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	8)
cause. Technician B says that a MAP sensor signal wire shorted-to-ground could be the cause.	
Who is right?	
A) Technician A only	
B) Technician B only	
C) Both technicians	
D) Neither technician	
9) Which statement is FALSE?	9)
A) Absolute pressure is equal to barometric pressure plus intake manifold vacuum.	
B) A decrease in manifold vacuum means an increase in manifold pressure.	
C) The MAP sensor compares manifold vacuum to a perfect vacuum.	
D) Barometric pressure minus the MAP sensor reading equals intake manifold vacuum.	
10) Which of these is NOT a purpose or function of the MAP sensor?	10)
A) Measures the load on the engine	
B) Measures engine speed	
C) Calculates fuel delivery based on altitude	
D) Helps diagnose the EGR system	

Answer Key

Testname: AT6_76A

- 1) A Page Ref: 891
- 2) C Page Ref: 895
- 3) C
- Page Ref: 894 4) B
- Page Ref: 894
- 5) C Page Ref: 892
- 6) B Page Ref: 892
- 7) A Page Ref: 894
- 8) C Page Ref: 895
- 9) A Page Ref: 891
- 10) B Page Ref: 892