Automotive Technology 6th Edition
Chapter 72 - Ignition System Diagnosis and Service
Quiz 72B

Name_____

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

1) A no–start condition is being discussed. Technician A says that a bad CKP (crankshaft position) sensor could be the cause. Technician B says that an open spark plug wire could be the cause. Who is right? 1) _____
   A) Technician A only
   B) Technician B only
   C) Both technicians
   D) Neither technician

2) What should be inspected as part of a visual inspection of the ignition system? 2) _____
   A) Spark plug wires for proper routing
   B) Spark plug gap
   C) Coil polarity
   D) All of the above

3) A distributor ignition (DI) system has a Hall–Effect type pickup trigger. Technician A says that this type of pickup may be tested with an ohmmeter. Technician B says that this type of pickup produces an analog voltage signal. Who is right? 3) _____
   A) Technician A only
   B) Technician B only
   C) Both technicians
   D) Neither technician

4) Two technicians are discussing a no–start (no spark) condition. Technician A says that an open CKP sensor could be the cause. Technician B says that a defective ignition control module (ICM) could be the cause. Which technician is correct? 4) _____
   A) Technician A only
   B) Technician B only
   C) Both technicians
   D) Neither technician

5) Technician A says that indexing the distributor is the same as setting ignition timing. Technician B says that a distributor that is not phased correctly can cause a misfire and rough idle. Who is right? 5) _____
   A) Technician A only
   B) Technician B only
   C) Both technicians
   D) Neither technician

6) Which of the following could cause oil fouled spark plugs? 6) _____
   A) Defective valve stem seals
   B) Weak ignition system output
   C) Low engine temperature
   D) Short trips or excessive idling

7) Which of these components sends a pulse signal to an electronic ignition module? 7) _____

A) Resistor
B) Pickup coil
C) Ignition coil
D) Coil wire

8) Technician A says that a defective spark plug wire or boot can cause an engine misfire. Technician B says that a tracked ignition coil can cause an engine misfire. Which technician is correct? 8) _____

A) Technician A only
B) Technician B only
C) Both technicians
D) Neither technician

9) Poor engine performance could be the result of a _____. 9) _____

A) defective coil
B) distributor ignition with the CMP and CKP not correctly indexed
C) a high-voltage spark leak
D) any of the above

10) Typical primary coil resistance specifications usually range from _____ ohms. 10) _____

A) 100 to 450
B) 500 to 1500
C) less than 1 to 3
D) 6,000 to 30,000

Answer Key
Testname: AT6_72B

1) A
Page Ref: 853
2) A
Page Ref: 852
3) D
Page Ref: 851
4) C
Page Ref: 853
5) B
Page Ref: 854
6) A
Page Ref: 856
7) B
Page Ref: 853
8) C
Page Ref: 852, 855
9) D
Page Ref: 853, 858
10) C
Page Ref: 850