

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

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- 1) A  
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- 2) A  
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- 3) D  
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- 4) C  
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- 5) B  
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- 6) A  
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- 7) B  
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- 8) C  
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- 9) D  
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- 10) C  
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