

Name \_\_\_\_\_

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

- 1) What part of the scope pattern show the duration of the spark? 1) \_\_\_\_\_
  - A) Firing line
  - B) Spark line
  - C) Intermediate section
  - D) Dwell section
  
- 2) 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? 2) \_\_\_\_\_
  - A) Technician A only
  - B) Technician B only
  - C) Both technicians
  - D) Neither technician
  
- 3) 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? 3) \_\_\_\_\_
  - A) Technician A only
  - B) Technician B only
  - C) Both technicians
  - D) Neither technician
  
- 4) Poor engine performance could be the result of a \_\_\_\_\_. 4) \_\_\_\_\_
  - 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
  
- 5) The spark plug threads in the cylinder head should be cleaned using a(n) \_\_\_\_\_ before installing new plugs. 5) \_\_\_\_\_
  - A) wire brush
  - B) tap
  - C) old toothbrush
  - D) thread chaser
  
- 6) Technician A says that a pickup coil (pulse generator) can be tested with an ohmmeter. Technician B says that ignition coils can be tested with an ohmmeter. Who is right? 6) \_\_\_\_\_
  - A) Technician A only
  - B) Technician B only
  - C) Both technicians
  - D) Neither technician

- 7) Technician A says that a defective crankshaft position sensor can cause a no-spark condition. Technician B says that a faulty ignition control module can cause a no-spark condition. Who is right? 7) \_\_\_\_\_
- A) Technician A only
  - B) Technician B only
  - C) Both technicians
  - D) Neither technician
- 8) 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? 8) \_\_\_\_\_
- A) Technician A only
  - B) Technician B only
  - C) Both technicians
  - D) Neither technician
- 9) Typical secondary coil resistance specifications usually range from \_\_\_\_\_ ohms 9) \_\_\_\_\_
- A) 100 to 450
  - B) 500 to 1500
  - C) 1 to 3
  - D) 6,000 to 30,000
- 10) Technician A says that a thorough visual inspection should be performed on all ignition components when diagnosing an engine performance problem Technician B says that platinum spark plugs can be re-gapped after use in an engine. Who is right? 10) \_\_\_\_\_
- A) Technician A only
  - B) Technician B only
  - C) Both technicians
  - D) Neither technician

## Answer Key

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1) B

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2) C

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3) C

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4) D

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5) D

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6) C

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7) C

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8) A

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9) D

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10) A

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