

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