

Name: _____

Date: _____

1. What is the significance of a blue glow or "corona" around the shell of a spark plug?
 - A. It indicates a defective spark plug
 - B. It indicates a rich air-fuel mixture
 - C. It is a normal occurrence and not indicative of a defect
 - D. It indicates a lean air-fuel mixture

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

3. Which tool can be used to clean the threads before new spark plugs are installed?
 - A. Torque wrench
 - B. Spark plug thread chaser
 - C. Ohmmeter
 - D. Multimeter

4. What part of the scope pattern shows the duration of the spark?
 - A. Firing line
 - B. Spark line
 - C. Intermediate section
 - D. Dwell section

5. Which of the following can be used to test for a fault with a cylinder on a waste-spark system?
 - A. Using a timing light to check for spark
 - B. Using short sections of rubber hose attached to the coil terminals
 - C. An LED test light
 - D. Any of the above

6. In the event of a no-start condition, what is the first step?
 - A. Check for fuel pressure
 - B. Check for spark
 - C. Check the battery voltage
 - D. Check the air filter

7. What does the Automatic Shutdown (ASD) relay term refer to in the ignition system context?
 - A. A relay that shuts down the engine in case of overheating
 - B. A relay that controls the ignition system power
 - C. A relay that controls the fuel pump
 - D. A relay that shuts down the engine in case of low oil pressure

8. What is the significance of the firing line being higher on the cylinder that is under compression?
- A. It indicates a stronger spark
 - B. It indicates a weaker spark
 - C. It indicates a misfiring cylinder
 - D. It indicates a faulty ignition coil
9. Which of the following is a visual indication of a spark plug from an engine with a blown head gasket?
- A. Black soot
 - B. Blue glow
 - C. White deposits
 - D. Greenish tint
10. What is the purpose of the spark plug wire holding brackets?
- A. To prevent the wires from touching hot engine parts
 - B. To organize the wires for aesthetic purposes
 - C. To prevent electrical interference
 - D. All of the above

Automotive Technology 7th Edition

Chapter 69

Multiple Choice Quiz B

Answer Key

1. C

2. D

3. B

4. B

5. D

6. B

7. B

8. A

9. C

10. D