

Name: _____ Date: _____

1. What does BTDC stand for in ignition terminology?
 - A. Bottom Top Dead Center
 - B. Before Top Dead Center
 - C. Beyond Top Dead Center
 - D. Back To Dead Center

2. What term describes the length of the threaded portion of a spark plug?
 - A. Reach
 - B. Range
 - C. Seat angle
 - D. Thread length

3. Which of the following tools or equipment are needed to test a knock sensor?
 - A. A soft-faced mallet
 - B. Scan tool
 - C. Oscilloscope
 - D. Both A and B

4. What is the primary purpose of the ignition system?
 - A. To lubricate the engine
 - B. To cool the engine
 - C. To create and distribute a high voltage to the spark plug
 - D. To filter the engine oil

5. In an ignition coil, what increases the magnetic strength of the coil?
 - A. Copper wire
 - B. Soft iron core
 - C. Ceramic insulator
 - D. Steel casing

6. What opposes any changes in current flow in a coil due to self-induction?
 - A. Capacitive reactance
 - B. Inductive resistance
 - C. Inductive reactance
 - D. Mutual induction

7. Which of the following is NOT a function of the distributor in early ignition systems?
 - A. To rotate the distributor cam
 - B. To direct the high-voltage spark
 - C. To open and close the points
 - D. To generate voltage for the spark plug

8. Which sensor uses a stationary sensor and rotating trigger wheel?
- A. Magnetic sensor
 - B. Thermistor
 - C. Hall-effect sensor
 - D. Piezoelectric sensor
9. What is the primary function of the ignition coil's primary windings?
- A. To generate high voltage
 - B. To distribute spark to the spark plugs
 - C. To connect to the ignition switch and supply current
 - D. To insulate the coil from heat
10. What happens when the primary windings of an ignition coil are first energized?
- A. Immediate maximum magnetic field strength is achieved
 - B. There is a slight delay before reaching maximum magnetic field strength
 - C. The coil overheats and fails
 - D. The coil produces a high-voltage spark immediately

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Multiple Choice Quiz B

Answer Key

1. B

2. A

3. D

4. C

5. B

6. C

7. D

8. C

10. B