

Name _____

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

- 1) A waste spark ignition _____. 1) _____
A) Uses two coils for each spark plug
B) Uses one coil for two spark plugs
C) Fires two spark plugs at the same time
D) Both B and C

- 2) Spark plug wires are easily removed by pulling on the wire close to the spark plug boot. 2) _____
A) True
B) False

- 3) Identify the type of ignition system shown in this photo. 3) _____



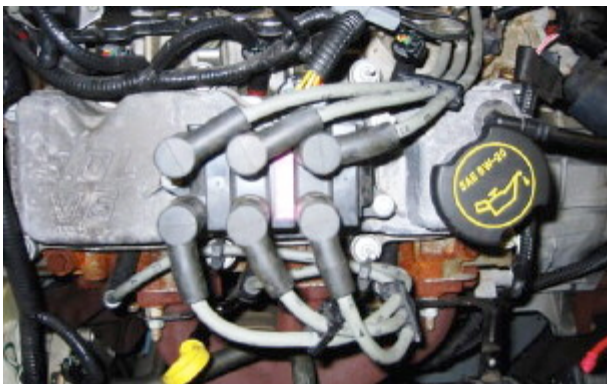
- A) Capacitor discharge system
B) Waste spark ignition system
C) Coil-near-plug ignition system
D) Distributor ignition system
- 4) What is used to ignite the air-fuel mixture in the cylinder of a gasoline engine? 4) _____
A) An arc at the spark plug
B) Heat of compression
C) Chemical reaction of the air-fuel mixture
D) The primary winding of the ignition coil
- 5) The steps involved in replacing spark plugs include _____. 5) _____
A) Allow the engine to cool
B) Use compressed air to clean around the base of the plug
C) Keep the spark plugs arranged so that they can be compared in case of a fault with one cylinder
D) All of the above

6) How many ignition coils should you expect to find on a V6 engine using a waste spark system? 6) _____
A) Three
B) Two
C) One
D) Six

7) What term describes the order that the spark reaches the cylinders? 7) _____
A) Firing order
B) Performance specification
C) Initial sequence
D) Base timing

8) Distributor ignition systems can be triggered by a _____. 8) _____
A) Hall effect sensor
B) Magnetic sensor
C) Spark sensor
D) Either A or B

9) Identify the type of ignition system shown in this photo. 9) _____



- A) Capacitor discharge system
- B) Waste spark ignition system
- C) Coil-on-plug ignition system
- D) Distributor ignition system

10) Which of these terms is specified by the Society of Automotive Engineers (SAE) as the term describing an ignition system that does NOT use a distributor? 10) _____
A) EI
B) DI
C) ND
D) IGN

Answer Key

Testname: INTRO_30B

1) D

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2) B

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3) C

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4) A

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5) D

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6) A

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7) A

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8) D

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9) B

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10) A

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