

Name _____

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

- 1) A battery measures 12.4 volts after removing the surface charge. This battery is charged at what percent? 1) _____
 - A) 75%
 - B) 25%
 - C) 50%
 - D) 100%

- 2) When jump starting, _____. 2) _____
 - A) The last connection should be to the positive post of the dead battery
 - B) The last connection should be to the engine block of the dead vehicle
 - C) The alternator must be disconnected on both vehicles
 - D) Both A and C

- 3) The neutral safety switch is located where in the starter electrical circuit? 3) _____
 - A) Between the ignition switch and the starter solenoid
 - B) Inside the ignition switch itself
 - C) Between the starter solenoid and the starter motor
 - D) In the battery cable between the battery and the starter solenoid

- 4) Alternators are driven by a _____. 4) _____
 - A) Shaft from the engine crankshaft
 - B) Chain
 - C) Gear
 - D) Drive belt

- 5) Which starting system component uses a small amount of current to control a large amount of current? 5) _____
 - A) Starter brushes
 - B) Neutral safety switch
 - C) Starter solenoid or relay
 - D) Starter drive

- 6) A battery should be charged at what rate? 6) _____
 - A) High or fast, depending on the capacity of the charger
 - B) At a rate of 1% of the CCA rating of the battery
 - C) At a rate that does not cause the battery to get hotter than 125 degrees
 - D) Both B and C are correct

- 7) The engine will not start if _____. 7) _____
 - A) The gear selector is in "D"
 - B) The gear selector is in "L"
 - C) The gear selector is in "R"
 - D) Any of the above

- 8) The starter motor can produce up to _____ horsepower. 8) _____
A) 20
B) 8
C) 5
D) None of these
- 9) To check charging system voltage, connect a digital multimeter (DMM) to the positive (+) and negative (-) terminals of the battery and select _____. 9) _____
A) DC amps
B) AC volts
C) AC amps
D) DC volts
- 10) An acceptable charging circuit voltage on a 12 volt system is _____. 10) _____
A) 13.5 to 15 volts
B) 14.9 to 16.1 volts
C) 12 to 14 volts
D) 12.6 to 15.6 volts

Answer Key

Testname: INTRO_23A

1) A

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2) B

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3) A

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4) D

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5) C

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6) D

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7) D

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8) B

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9) D

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10) A

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