Advanced Automotive Electricity and Electronics
Quiz 2A

Name_____

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

1) In an incomplete circuit _____. 1) _____
A) No current will flow
B) No voltage is present
C) Both A and B
D) Neither A nor B

2) How many watts are consumed by a light bulb if 1.2 amperes are measured when 12 volts are applied? 2) _____
A) 14.4 watts
B) 144 watts
C) 10 watts
D) 0.10 watt

3) A loose ground connection _____. 3) _____
A) Causes reduced current flow
B) Causes less power to be available to the electrical components
C) Both A and B
D) Neither A nor B

4) High resistance in a circuit can cause _____. 4) _____
A) Dim lights
B) Slow motor operation
C) Clicking of relays or solenoids
D) Any of the above

5) In a 12 volt circuit with 2000 ohms of resistance, how much current will flow? 5) _____
A) .006 A
B) 166 A
C) There will be no current flow
D) 120 A

6) In a 12 volt circuit with a resistance of 12 ohms, how much current will flow? 6) _____
A) 12 A
B) 1 A
C) 0.1 A
D) 10 A

7) If the voltage increases in a circuit, what happens to the current (amperes) if the resistance stays the same? 7) _____
A) Increases
B) Decreases
C) Remains the same
D) Cannot be determined

8) If 200 amperes flow from the positive terminal of a battery and operate the starter motor, how many amperes will flow back to the negative terminal of the battery? 8) _____

A) 200 amperes
B) Zero
C) About one-half (100 amperes)
D) Cannot be determined

9) It requires _____ volt(s) to push 1 ampere through 1 ohm of resistance. 9) _____

A) 1
B) 2
C) 12
D) None of these

10) A complete circuit that is continuous from source through loads and back to ground has _____. 10) _____

A) Continuity
B) Congruency
C) Both A and B
D) Neither A nor B

Answer Key
Testname: AAEE_2A

1) A
Page Ref: 12
2) A
Page Ref: 15
3) C
Page Ref: 13
4) D
Page Ref: 13
5) A
Page Ref: 15
6) A
Page Ref: 15
7) A
Page Ref: 15
8) A
Page Ref: 14
9) A
Page Ref: 14
10) A
Page Ref: 11