Automotive Electricity and Electronics, 6th Edition
Quiz 5B

Name_____

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

1) Corrosion on electrical terminals may cause _____. 1) _____
A) Lights to be dimmer than normal
B) Increased current flow in the circuit
C) A blown fuse after driving
D) None of these

2) High resistance in an electrical circuit can cause _____. 2) _____
A) Dim lights
B) Slow motor operation
C) Clicking of relays or solenoids
D) All of the above

3) The electrical path to ground may be completed by _____. 3) _____
A) The vehicle frame
B) The metal body of the vehicle
C) Both A and B
D) Neither A nor B

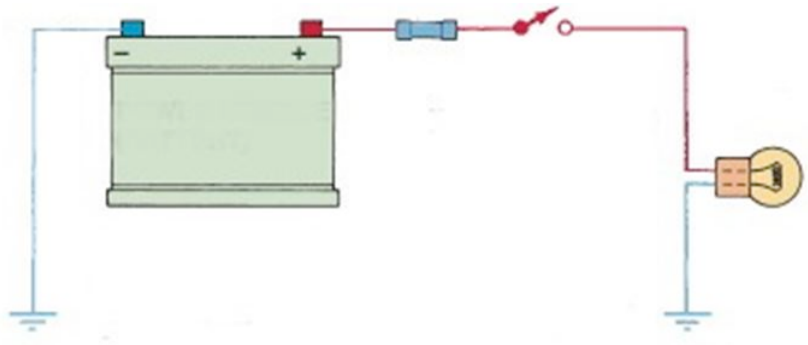
4) If the voltage increases in a circuit, what happens to the current (amperes) if the resistance remains the same? 4) _____
A) Increases
B) Decreases
C) Remains the same
D) Cannot be determined

5) It requires _____ volt(s) to push 1 ampere through 1 ohm of resistance. 5) _____
A) 1
B) 2
C) 12
D) 0.1

6) If two insulated (power side) wires were to melt together at the point where the copper conductors touched each other, the type of failure would be called a(an) _____. 6) _____
A) Short-to-voltage
B) Short-to-ground
C) Open
D) Floating ground

7) How many watts are consumed by a light bulb if 1.2 amperes are measured when 12 volts are applied? 7) _____
A) 14.4 watts
B) 144 watts
C) 10 watts
D) 0.10 watt

8) This circuit can be described as a(an) _____ circuit. 8) _____



A) Short
B) Long
C) Closed
D) Open

9) Conductors that become too hot _____. 9) _____
A) Create excessive resistance
B) Could be the result of a short to ground before the load
C) Both A and B
D) Neither A nor B

10) A circuit with excessive current flow _____. 10) _____
A) May create excess heat in conductors
B) May cause a fuse to blow
C) Both A and B
D) Neither A nor B

Answer Key
Testname: AEE6_5B

1) A
Page Ref: 66-69
2) D
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3) C
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4) A
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5) A
Page Ref: 61
6) A
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7) A
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8) D
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9) C
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10) C
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