UNIT: ELECTRICAL CIRCUITS

ACT-Based Reading: Technical Reading Comprehension – Ohm’s Law in Action Answer Key

## ACT-Style MULTIPLE CHOICE QUESTION:

**Question 1 (Key Ideas and Details):**

* According to Ohm’s Law, if resistance in a circuit increases while voltage remains constant, what will happen to the current?

1. It will increase.
2. It will decrease.
3. It will remain the same.
4. It will fluctuate randomly.

***(Correct Answer: B – It will decrease.)***

**Question 2 (Craft and Structure):**

* In the passage about Ohm’s Law, which of the following best describes the role of the second paragraph?

1. It provides a historical background on Georg Ohm.
2. It presents an opposing viewpoint on electrical resistance.
3. It explains real-world applications of Ohm’s Law.
4. It describes the mathematical derivation of Ohm’s Law.

***(Correct Answer: C – It explains real-world applications of Ohm’s Law.)***