

ISCET Practice Test Questions and Answers

1. What does Ohm's Law state about the relationship between voltage, current, and resistance?

- A) Voltage equals current multiplied by resistance
- B) Current equals voltage divided by power
- C) Resistance equals power divided by current
- D) Power equals resistance multiplied by voltage

2. Which component is used to store electrical charge in a circuit?

- A) Resistor
- B) Inductor
- C) Capacitor
- D) Transistor

3. What is the primary function of a diode in an electronic circuit?

- A) To amplify signals
- B) To allow current flow in one direction only
- C) To store energy
- D) To regulate voltage

4. In troubleshooting electronics, what is the first step when diagnosing a faulty circuit?

- A) Replace all components
- B) Check power supply and connections
- C) Test individual components randomly
- D) Rewire the entire circuit

Answers: 1-A 2-C 3-B 4-B

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