2 Lecture - PHY301

Important Mcqs

Which terminal of a battery is typically marked with a "+" symbol?

a) Positive terminal

b) Negative terminal

c) Both terminals

d) None of the above

Answer: a) Positive terminal

Which terminal of a battery is typically marked with a "-" symbol?

a) Positive terminal

b) Negative terminal

c) Both terminals

d) None of the above

Answer: b) Negative terminal

What role does the positive polarity of a battery play in a circuit?

a) Determines the voltage of the circuit

b) Determines the direction of the electrical current flowing through the circuit

c) Both A and B

d) None of the above

Answer: b) Determines the direction of the electrical current flowing through the circuit

What role does the negative polarity of a battery play in a circuit?

a) Determines the voltage of the circuit

b) Determines the direction of the electrical current flowing through the circuit

c) Both A and B

d) None of the above

Answer: a) Determines the voltage of the circuit

What is the unit of voltage?

a) Ampere

b) Watt

c) Volt

d) Ohm

Answer: c) Volt

What is the function of the positive terminal of a battery in a circuit?

a) Where the electrical current flows into the battery

b) Completing the circuit

c) Where the electrical current flows out of the battery and into the circuit

d) None of the above

Answer: c) Where the electrical current flows out of the battery and into the circuit

What is the function of the negative terminal of a battery in a circuit?

a) Where the electrical current flows into the battery

b) Completing the circuit

c) Where the electrical current flows out of the battery and into the circuit

d) None of the above

Answer: a) Where the electrical current flows into the battery

Which of the following is true regarding the voltage of a circuit?

a) Higher voltage batteries can deliver less energy to the circuit

b) Lower voltage batteries can deliver more energy to the circuit

c) Higher voltage batteries can deliver more energy to the circuit

d) None of the above

Answer: c) Higher voltage batteries can deliver more energy to the circuit

Why is understanding the polarity of a battery important in circuit theory?

a) Determines the direction of the electrical current flowing through the circuit

b) Determines the voltage of the circuit

c) Helps to identify problems in a circuit

d) All of the above

Answer: d) All of the above

How can understanding the positive and negative polarities of batteries help in troubleshooting problems in a circuit?

a) Identifying the direction of the electrical current flowing through the circuit

b) Identifying the voltage of the circuit

c) Both A and B

d) None of the above

Answer: c) Both A and B