

# 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**