32 Lecture - PHY301

Important Mcqs

What is the unit of resistance?

A. Volt

B. Ohm

C. Ampere

D. Watt

Answer: B

What is DC resistance?

A. Resistance in AC circuits

B. Resistance in DC circuits

C. Resistance in both AC and DC circuits

D. None of the above

Answer: B

What is the formula for calculating resistance using Ohm's Law?

A. R = V x I

B. R = V / I

C. R = I / V

D. V = R x I

Answer: B

What is a resistor?

A. A component that amplifies the signal

B. A component that stores energy

C. A component that resists current flow

D. A component that changes the frequency of the signal

Answer: C

What is the color code on a resistor?

A. A system of dots that indicate the resistance value

B. A system of letters that indicate the resistance value

C. A system of numbers that indicate the resistance value

D. A system of bands that indicate the resistance value

Answer: D

What is the symbol for resistance?

A. V

B. I

C. R

D. P

Answer: C

How does increasing resistance affect current flow in a circuit?

A. Increases current flow

B. Decreases current flow

C. Does not affect current flow

D. None of the above

Answer: B

What is the difference between DC and AC resistance?

A. DC resistance refers to the resistance in AC circuits, while AC resistance refers to the resistance in DC circuits

B. DC resistance refers to the resistance in DC circuits, while AC resistance refers to the resistance in AC circuits

C. DC resistance refers to the resistance in both AC and DC circuits, while AC resistance refers to the resistance in AC circuits only

D. DC resistance refers to the resistance in both AC and DC circuits, while AC resistance refers to the resistance in DC circuits only

Answer: B

What is the unit of measurement for resistance?

A. Volt

B. Ohm

C. Ampere

D. Watt

Answer: B

What is Ohm's Law?

A. A law that describes the relationship between voltage and current in a circuit

B. A law that describes the relationship between resistance and current in a circuit

C. A law that describes the relationship between voltage and resistance in a circuit

D. A law that describes the relationship between power and current in a circuit

Answer: C