

Bennett Mechanical Aptitude Test with Answers

component that restricts the electric current flow to a single direction - ✓ **Diode**

an electrical component that can break an electrical circuit, interrupting the current or diverting it from one conductor to another? - ✓ **switch**

a measurement unit for electric resistance - ✓ **Ohm**

Ohm's Law - ✓ **current passing through a conductor between two points is directly proportional to the potential difference across them.**

$$I = V/R, \text{ or } V=IR, \text{ or } R= V/I$$

V=potential difference measured across the conductor in volts

R=Resistance of the conductor in ohms

I=current in amperes

measurement unit for electric potential - ✓ **Volt**

Electric power is measured in - ✓ **Watts**

$$P=IV$$

A unit of an electric current - ✓ **Ampere (amp).** One amp is the electrical charge of one coulomb that flows in an electrical circuit in one second

Unit of electric charge - ✓ **Coulomb (koolom)**

direction electricity flows - ✓ **from pos to neg**

an electrical component used to temporarily store electrical energy in an electric field - ✓ **capacitor**

BOTH ARE TYPES OF ELECTRODES

Cathode: electrode through which current flows out

Anode: electrode through which current flows into the device - ✓ **Cathode and anode**

what is an electric current? - ✓ **charge per time units**

The difference in electric potential between two points is called: - ✓ **Voltage**

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M Tight



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