
HVAC Excellence Study Guide) for Electric Test 2024 Quizzes & Ans!!

Law of electric states that: Answer - Like charges repel, and opposites attract

When testing a supply voltage a maximum variation allowed is typically: Answer - plus or minus five percent

A Voltage Tester reads zero when there is: Answer - no potential difference

An Ammeter Answer - Is used to measure the quantity and intensity of electrons flowing inside a wire, or through a load

When will an ammeter have an indication/reading of zero. Answer - When it is clamped around two wires feeding a load device, the magnetic fields will cancel each other out.

Resistance: Answer - refers to anything that offers opposition to the flow of electrons.

A circuit without resistance to control the electron flow is considered: Answer - shorted

Reading a VOM (Volt-ohm-meter) the difference occurs across Answer - the switch

Increased resistance _____ amperage , and lower resistance _____ amperage. (OHM's Law) Answer - decreases, increases

With a fixed resistance, higher voltage _____ amperage and lower voltage _____ amperage.
(OHM's Law) Answer - increases, decreases

Symbol for Impedance Answer - "Z"

Ohmmeters Answer - Measure electron movement calibrated to a voltage supplied by the meters battery, to check for its resistance

Continuity Answer - A complete path for electron flow

Open Circuit can have an: Answer - Open Switch, Blown Fuse, Broken Wire

Short Circuit Answer - Is a complete circuit where none should exist

Hvac Excellence Heat Pump Test Study Guide

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