
HVAC Excellence Study Guide) for Electric Test Questions and Answers 2025

Law of electric states that: - CORRECT ANSWERS -

Like charges repel, and opposites attract.

When testing a supply voltage a maximum variation allowed is typically: -

CORRECT ANSWERS -plus or minus five percent

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

An Ammeter - CORRECT ANSWERS -

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. - CORRECT ANSWERS -

When it is clamped around two wires feeding a load device, the magnetic fields will cancel each other out.

Resistance: - CORRECT ANSWERS -

refers to anything that offers opposition to the flow of electrons.

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

CORRECT ANSWERS -shorted

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

CORRECT ANSWERS -the switch

Increased resistance _____ amperage , and lower resistance _____ amperage.

(OHM's Law) - CORRECT ANSWERS -decreases, increases

With a fixed resistance, higher voltage _____ amperage and lower voltage _____ amperage.

(OHM's Law) - CORRECT ANSWERS -increases, decreases

Symbol for Impedance - CORRECT ANSWERS -"Z"

Ohmmeters - CORRECT ANSWERS -

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

Continuity - CORRECT ANSWERS -A complete path for electron flow

Open Circuit can have an: - CORRECT ANSWERS -

Open Switch, Blown Fuse, Broken Wire

Short Circuit - CORRECT ANSWERS -Is a complete circuit where none should exist

The ohmmeter detects a short circuit by: - CORRECT ANSWERS -

indicating zero resistance

A Watt-meter is normally located at the: - CORRECT ANSWERS -

power entry to a building

A Thermostat is a: - CORRECT ANSWERS -temperature sensitive switch

A Residential Air conditioning system thermostat controls three major components: -

CORRECT ANSWERS -Compressor, Condenser Fan, Evaporator fan motor or blower

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PT Brinkman



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Pal's HVAC Technician Certification Exam Guide Norm Christopherson, 2004-12 The most complete and comprehensive HVAC Technician Certification Guide available Pal's HVAC Exam Certification Guide will help you pass the NATE ICE RSES Certification HVAC Excellence and HVAC Technician Licensing Exams It is also very useful in preparing for the state limited energy license and HVAC contractor licenses

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died in labor camps But they were soon to find out on their own The Secret Camera is the true story of how one North China marine struggled for survival From his capture on Pearl Harbor Day through the bombing of Nagasaki Corporal Terence S Kirk spent years as slave labor for the Japanese war machine Watching himself and his fellow marines wither from strapping young men to mere skeletons ravaged by starvation abuse and disease he decided to make a difference by recording the atrocities they all endured With the help of a Japanese interpreter and a handful of other brave marines Kirk managed to build a pinhole camera from scraps of cardboard take a handful of photos and then hide them away until the end of the war These are the only photos ever taken inside a Japanese POW camp A record of courage faith and ingenuity his is a story of heroism unimaginable adversity and the will to survive His photos sat unpublished for more than fifty years ignored by a U S government that seemed indifferent to the atrocities the images documented But Kirk would not let them languish and this book is his legacy

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