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Hvac Final Exam Electrical For Air Conditioning Questions And Answers With Verified Solutions Already Passed!!!

When using a low voltage T-stat for heating and cooling, when would there be a jumper between Rh and Rc?

- ANSWER✓✓ a. When using a single transformer system.

Digital thermostats usually display temperature, time of day, programming and operating status.

- ANSWER✓✓ True.

With the fan switch in the on position, the indoor fan will:

- ANSWER✓✓ b. run continuously.

What is the most common type of T-sat in the HVAC industry?

- ANSWER✓✓ c. Low voltage.

What device is added to an oil or gas forced hot air system when it is not AC ready?

- ANSWER✓✓ b. Fan Center.

When a technician is taking an ohm reading across an open switch, what should the reading be?

- ANSWER✓✓ b. OL (Open Loop).

What does the "Y" terminal connect to on a wall-mounted low voltage T-stat?

- ANSWER✓✓ b. Cooling Contactor.

In a transformer, the _____ winding is the winding to which voltage is supplied and is considered the load side of the transformer.

- ANSWER✓✓ a. primary.

What would be the cause of a transformer failure?

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A substance's atoms ____ when heat is applied to the substance.
Select one:
a. move more slowly
b. move more rapidly
c. move into a crystalline formation
d. stop moving - ANSWER✓✓ b. move more rapidly

What is measured across an open switch
Select one:
a. voltage
b. continuity
c. current
d. 0 volts - ANSWER✓✓ a. voltage

What is Resistance?
Select one:
a. Opposition to current flow
b. Electrical pressure
c. Amperage
d. Voltage applied to the circuit - ANSWER✓✓ a. Opposition to current flow

When current flows, a _____ is produced around the conductor.
Select one:
a. magnetic field
b. dielectric transmitter
c. short circuit
d. worm hole - ANSWER✓✓ a. magnetic field

Copper conducts heat better than glass.
Select one:
True
False - ANSWER✓✓ True

When ohming out a load what reading should the technician get?
Select one:
a. 0
b. OL
c. Some Number

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a. colors of wires running to and from devices
b. connections among a circuit's devices
c. All of the above.
d. approximate physical location of devices - ANSWER✓✓ c. All of the above

The desired condition in a control system is called the ____.
Select one:
a. set point
b. control point
c. error
d. offset - ANSWER✓✓ a. set point

The difference between the desired condition and the present condition is called the ____.
Select one:
a. offset
b. set point
c. None of the above.
d. control point - ANSWER✓✓ a. offset

The pickup voltage required to operate a potential relay is generated when a motor reaches around ____ of its normal operating speed.
Select one:
a. 100%
b. 3/4
c. 1/2
d. 1/4 - ANSWER✓✓ b. 3/4

The present condition as measured by the sensor in a control system is the ____.
Select one:
a. error
b. control point
c. set point
d. offset - ANSWER✓✓ b. control point

When high head pressure in a hermetic system causes oil and refrigerant breakdown, the presence of moisture or dirt can result in ____ forming.
Select one:
a. All of the above

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