

Quiz 24

1. A two position damper, equipped with a fan that provides 100% outdoor air and a ratio of damper opening, requires a/an:

- a. gradual switch
- b. offset returned air duct
- c. air mixer
- d. three phase damper interchange
- e. variable volume tank

2. Air conditioning with respect to heating coils is achieved with:

- a. a combination of tempering control functions
- b. the selected mixing of warm return air and cooler outside air
- c. selective heating by passing air through the heating coils
- d. proportioning the amount of air flow through the face damper for heat addition, or through the bypass dampers for no heat addition
- e. all of the above

3. Dehumidification is achieved by:

- a. absorbing the moisture with a sponge filter
- b. absorbing moisture with a chemical drying agent
- c. cooling the air to a corresponding dew point temperature
- d. heating air to a corresponding wet bulb temperature
- e. saturating the air until the precipitation point at room temperature is reached

4. In severely cold weather what adjustment must be made to properly preheat the outside air?

- a. the temperature controller's throttling range must be increased
- b. the outdoor damper should be closed
- c. reduce the incoming volume and increase the pre-coil temperature
- d. damper must be heated
- e. preheat coil temperature should be increased

5. To control static pressure in the air ducts a differential pressure controller is installed, which controls the static pressure by:

- a. increasing air temperature
- b. decreasing air temperature
- c. modulating the damper on the suction side of the fan
- d. modulating the damper on the discharge side of the fan
- e. grounding the ductwork and carrying the charge to a battery

6. To prevent too frequent starting and stopping of the compressor in a cooling system you should:

- a. regulate the operation of the compressor with a set point thermostat
- b. turn off the compressor when temperatures required for conditioning are reached
- c. run the compressor continuously and vent any excess cold air
- d. run the main fan only
- e. run the compressor continuously and modulate refrigerant flow

Quiz 24 Answers:

1 = c, 2 = e, 3 = c, 4 = c, 5 = c, 6 = e