

- 1. 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

- 2. 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

- 3. To provide a two position damper, equipped with a fan that provides 100% outdoor air, with a ratio of damper opening what is required?**
 - a) a gradual switch
 - b) offset returned air duct
 - c) an air mixer
 - d) a three phase damper interchange
 - e) a variable volume tank

- 4. When complete control systems become very complex, one of the following control signal medium preferred is:**
 - a) pneumatic
 - b) electric
 - c) electronic
 - d) digital
 - e) fiber optic

- 5. When the outdoor air damper increases the flow of fresh air, the return air damper:**
 - a) throttles up to reduce the volume of re-circulated air
 - b) throttles up to increase the volume of returned air
 - c) is not affected
 - d) throttles down to reduce the volume of returned air
 - e) throttles down to increase the volume of returned air

Answers

1=c, 2=e, 3=a, 4=a, 5=d