Quiz 56

1.   Fiberglass ducts are used:

a)   in high pressure systems

b)   to handle air with high moisture levels or oil and grease

c)   where its heavy weight is not a problem

d)   where high strength is required

e)   in some low pressure systems

2.   Functions of terminal air distribution devices are accomplished;

a)   only by diffusion

b)   only by diffusion and aspiration

c)   by aspiration, entrainment, induction, and diffusion

d)   only by entrainment and diffusion

e)   only by entrainment and aspiration

3.   Materials used in sheet metal ducts are:

a)   only copper

b)   only aluminum

c)   only stainless steel

d)   galvanized or black steel, aluminum, copper, and stainless steel

e)   only galvanized or black steel

4.   Medium and high pressure duct systems require less space than low pressure duct systems, but this feature is partly offset by:

a)   higher operating cost and higher initial cost of air handling apparatus

b)   costly special control devices and costly noise suppressing devices

c)   higher first cost for special equipment required to reduce the air velocity before distribution to the air space

d)   more costly fabrication and installation of ductwork

e)   all of the above

5.   Modulating dampers in air handling systems are used:

a)   as mixing boxes to proportion the amounts of two different air flows such as outdoor air and recirculated air

b)   to modulate the volume of conditioned air needed to meet load requirements

c) as face dampers to modulate the volume of air that goes through a cooling or heating coil

d) as bypass dampers to throttle the balance of the constant total air flow around a heating or cooling coil

e) all of the above

6.   Parallel blade dampers:

a) are used only in small sizes with low velocity air

b) are used when modulation of air flow is required

c) have blades linked so adjacent blades rotate in opposite directions

d) are often used on mixing boxes where two sets of dampers

e) are mounted with blades direct

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