

Quiz 11

1. The induced draft fan is located between the:

- a. air inlet and air heater
- b. air heater and burner
- c. boiler and stack
- d. breaching and burner

2. A diaphragm draft gauge on a furnace indicates the draft in:

- a. mm of water column
- b. kPa
- c. MPa
- d. mm water per square meter
- e. mm of mercury column

3. A pressurized furnace is usually associated with:

- a. balanced draft
- b. induced draft
- c. natural draft
- d. packaged boilers with FD
- e. large steam generators

4. A way of increasing natural draft is to:

- a. incorporate a forced draft fan
- b. have the outside air temperature increase
- c. install an induced draft fan
- d. increase stack height
- e. decrease the amount of excess air

5. Draft increased through a natural draft furnace by:

- a. decreasing the height of the stack
- b. increasing the temperature in the stack
- c. warming the outside air
- d. decreasing the furnace temperature
- e. reducing the firing rate

6. Inclined "U" tubes may be used to measure:

- 1. fan discharge pressure
 - 2. fan suction pressure
 - 3. air heater flue gas pressure
 - 4. air heater flue gas temperature
- a. 1, 2, 3
 - b. 3, 4
 - c. 1, 4
 - d. 2, 3, 4

e. 4

7. Primary air:

- a. is supplied in the combustion zone
- b. is the same as excess air
- c. is supplied on all types of burners
- d. is pre-mixed with the fuel before being admitted to the furnace
- e. enters the furnace before the fuel

Quiz 11 Answers:

1 = c, 2 = a, 3 = d, 4 = d, 5 = b, 6 = a, 7 = d