FG05C - Pre-Instructional Survey

1. What does this symbol mean?  
   a. Time element  
   b. Thermal exhaust  
   c. True example  
   d. Temperature element

2. Industries that usually run continuously 24 hours a day, 7 days a week are:  
   a. Paper Mills  
   b. Power Plants  
   c. Oil Refineries  
   d. All of the above

3. What is the most common signal level for electronic control systems?  
   a. 4-20 mAdc  
   b. 10-50 mAdc  
   c. 3-15 psi  
   d. Fieldbus

4. Which of the following process variables are often measured in continuous process plants?  
   a. Flow  
   b. Level  
   c. Temperature  
   d. All of the above

5. What does a process controller usually do?  
   a. Compare a set point to process variable  
   b. Develop a corrective signal  
   c. Indicate the value of the process variable  
   d. All of the above
6. Which of the following temperature devices might be used to measure the
temperature on the top of a distillation tower for display in a central control room?
   a. Resistance temperature detector
   b. Temperature bath
   c. Bimetal thermometer
   d. Glass thermometer

7. What is the most common final control element in a continuous process plant?
   a. Damper
   b. Control Valve
   c. Gate Valve
   d. Vane

8. Most control valves in continuous process plants are powered by:
   a. Air pressure
   b. 440 volt DC power
   c. 110 volt AC power
   d. Hydraulic fluid pressure

9. Which of the following devices are used to control processes in plants?
   a. PLC
   b. DCS
   c. Electronic controllers
   d. All of the above

10. The following P&ID symbol stands for:
    a. Level transmitter
    b. Temperature controller
    c. Pressure indicating controller
    d. Pressure control valve
FG05C - Pre-Instructional Survey Answer Sheet

1. d
2. d
3. a
4. d
5. d
6. a
7. b
8. a
9. d
10. c