SP01P - Pre-Instructional Survey

Name: _____   Date: _____

1. Pick the Process Analytical Technology most utilized in Refining and Petrochemical process measurements from the following choices.

    a.   NIR
    b.   FTIR
    c.   UV
    d.   GC

2. Provide the complete name of FTIR Process Analytical Technology.

    a.   Four Transforms Infra Red
    b.   Fourier Technology Infra Red
    c.   Fourier Transform Infra Red
    d.   Four Technology Industrial Radar

3. Provide the complete name of GC Process Analytical Technology.

    a.   Gas Cartography
    b.   Gas Chromatogram
    c.   Gas Chromatography
    d.   Gas Chrome

4. Provide the complete name of NIR Process Analytical Technology.

    a.   Narrow Infra Red
    b.   Near Infra Red
    c.   Near Inferred Radar
    d.   Neat IR

5. Provide the complete name of UV Process Analytical Technology.

    a.   Under Vector Spectrophotometry
    b.   Ultra Video Spectrophotometry
    c.   Ultra Violet Spectrophotometry
    d.   Ultra Visible Spectrophotometry

6. The Electromagnetic Spectrum is the basis for which of the following Process Analytical Technologies?

      a.   GC
      b.   UV
      c.   NIR
      d.   FTIR

7. Which of the following Process Analytical Technologies requires an Extractive Sample Probe?

      a.   FTIR
      b.   GC
      c.   NIR
      d.   UV

8. Which of the following Process Analytical Technologies requires a Sample Cell?

      a.   FTIR
      b.   GC
      c.   NIR
      d.   UV

9. Which of the following Process Analytical Technologies requires a Sample Inject Valve?

      a.   FTIR
      b.   GC
      c.   NIR
      d.   UV

10. In which of the following areas of the Electromagnetic Spectrum would there be the most potential energy?

      a.   UV
      b.   Visible
      c.   IR
      d.   X-ray

11. Sample Conditioning System Calibration Streams may include which of the following:

      a.   Zero
      b.   Process
      c.   Span
      d.   Validation

12. Continuous Emissions Monitoring Systems (CEMS) are required by which Regulatory Agency?

        a.   USEPA
        b.   NEC
        c.   NFPA
        d.   NEMA

SP01P Pre-Instructional Survey Answer Sheet

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