Week 5: Assignment 5

The due date for submitting this assignment has passed.

For this assignment you have not determined the answers.

1. What is the function of a computer in a plant?
   - A. It controls the growth of plants
   - B. It processes data
   - C. It analyzes the soil
   - D. It powers the machinery
   
   The correct answer is B. It processes data.

2. What are the limitations of computerized plant monitoring?
   - A. Lack of precision in data collection
   - B. Difficultly in interpretation of data
   - C. High cost of the equipment
   - D. All of the above
   
   The correct answer is D. All of the above.

3. Which method combines the computer interpretation scheme with linear movement of the robot?
   - A. Parabolic interpolation
   - B. Circular interpolation
   - C. Spline interpolation
   - D. None of the above
   
   The correct answer is B. Circular interpolation.

4. In manual part programming, what is the sequence of characters a word is formed in a data file about an operation? What is the order?
   - A. 1. Width, 2. Depth, 3. Feed rate
   - B. 1. Feed rate, 2. Width, 3. Depth
   - C. 1. Depth, 2. Width, 3. Feed rate
   - D. 1. Width, 2. Feed rate, 3. Depth
   
   The correct answer is A. 1. Width, 2. Depth, 3. Feed rate.

5. In computer assisted part programming, what is the main task of the part programmer?
   - A. Defining the geometry of the part
   - B. Specifying the computer control sequence
   - C. Developing a control program in a high-level computer language
   - D. All of the above
   
   The correct answer is D. All of the above.

6. How is the position defined in a data file of a computer application system?
   - A. By a series of points
   - B. By a series of lines
   - C. By a series of curves
   - D. By a series of triangles
   
   The correct answer is A. By a series of points.