Assignment 2

1. While working on tests in process control, a number of variables are analyzed for their "importance" to the system. One approach to determine the "importance" of a variable is to assign a weight based on its variability, which classification systems otherwise attempt. What are the variables that might be considered important?

   a. All the factors
   b. Only the factors that are not significant
   c. Only the factors that are significant
   d. Only the factors that are not required

2. "Important" or "critical" terms are found on many engineering charts. What are some of these terms?

   a. Important examples
   b. Important applications
   c. Important operations
   d. Important processes

3. What is the significance of a system's output being a function of its inputs? This number of properties:

   a. 1
   b. 2
   c. 3
   d. 4

4. The following classification scheme is recommended for the analysis of reliability:

   a. Failure
   b. Fault
   c. Error
   d. Failure

5. This diagram of data distribution and control is an important aspect of reliability assessment and design. This diagram offers the location of the first or second stage of data collection. Which stage of data collection does this diagram represent?

   a. First stage
   b. Second stage
   c. Third stage
   d. Fourth stage

6. For a system to be classified as "critical," it must be well defined. Do any of the following conditions ensure that a system is classified as "critical?"

   a. Cannot be moved to another location
   b. A classification scheme
   c. A failure of the input
   d. A failure of the output

7. Which of the following systems is recommended for the analysis of reliability?

   a. The system
   b. The process
   c. The output
   d. The input

8. The "useful" or "useful" terms are found on many engineering charts. What are some of these terms?

   a. Useful examples
   b. Useful applications
   c. Useful operations
   d. Useful processes

9. Factors affecting the performance of an assembly vary many factors. The most important factors:

   a. Change in market demand
   b. Change in production plans
   c. Change in raw materials
   d. All of the above

10. Which of the following systems is recommended for the analysis of reliability?

    a. The system
    b. The process
    c. The output
    d. The input

11. The following terms are found on many engineering charts. What are some of these terms?

    a. Important examples
    b. Important applications
    c. Important operations
    d. Important processes