### Unit 4 - Week 2

#### Assignment 2

The due date for submitting this assignment has passed. As per our records you have not submitted this assignment.

Due on 2020-02-12, 23:59 IST.

1. a. raw material to be processed for changing its shape and size. The operations related to processing the raw materials are considered 2 points
   - a. raw material adding
   - b. value adding
   - c. loss in the operation
   - d. loss of the above

   **Note:** The answer is incorrect. **Score:** 0

2. a. the basis of rejection of the product 2 points
   - b. quality loss of the product
   - c. quality improvement
   - d. all of the above

   **Note:** The answer is incorrect. **Score:** 0

3. a. the unit-to-unit variation in products or systems is unsatisfactory. This is due to 2 points
   - a. humidity at the workplace
   - b. temperature at the work place
   - c. internal wear
   - d. all of the above

   **Note:** The answer is incorrect. **Score:** 0

4. a. the system design in the first step in the Taguchi method. The main purpose of system design is 2 points
   - a. to maximize product performance
   - b. to determine tolerances of relevant quality characteristics
   - c. to suggest means of design tolerances to identify critical parameters
   - d. to apply engineering and design principles as applicable

   **Note:** The answer is incorrect. **Score:** 0

5. a. product quality improvement 2 points
   - b. process quality improvement
   - c. system performance improvement
   - d. all of the above

   **Note:** The answer is incorrect. **Score:** 0

6. a. TQM is based on certain principles. The main principle involved in TQM is related to 2 points
   - a. team work building
   - b. organizational improvement
   - c. continual improvement
   - d. customer focus

   **Note:** The answer is incorrect. **Score:** 0

7. a. quality principles are relevant at all stages of product development. Application of these principles would result in 2 points
   - a. better product
   - b. better process
   - c. better manufacturing
   - d. all of the above

   **Note:** The answer is incorrect. **Score:** 0

8. a. TQM is based on certain principles. The main principle involved in TQM is related to 2 points
   - a. team work building
   - b. organizational improvement
   - c. continual improvement
   - d. customer focus

   **Note:** The answer is incorrect. **Score:** 0

9. a. the traditional cost function, compared with the Taguchi loss function, is based on the concept of 2 points
   - a. high loss beyond specification range only
   - b. high loss within the specification range
   - c. loss within entire specification range
   - d. none of the above

   **Note:** The answer is incorrect. **Score:** 0

10. a. the concept of "Quality Management Grid" is recommended by 2 points
    - a. Crosby
    - b. Juran
    - c. Taguchi
    - d. Deming

   **Note:** The answer is incorrect. **Score:** 0

11. a. the essence of "Quality Triangle" as proposed by Juran consists of three interrelated stages 2 points
    - a. quality control, quality assurance, total quality management
    - b. inspection, quality control, quality assurance
    - c. inspection, quality control, quality improvement
    - d. quality planning, quality control, quality improvement

   **Note:** The answer is incorrect. **Score:** 0