Assignment 8

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

1) The degree to which a product meets established standards is called
   - capability
   - performance
   - conformance
   - all of the above
   Answer: A
   Accepted Answer: conformance

2) Five samples of size 4 were taken from a process. The average of the range value was 2.32. The average of the sample means was 15.64. Using this point A chart together with an R chart, what is the lower control limit of the R chart?
   - 0.043
   - 0.077
   - 0.111
   - none of the above
   Answer: B
   Accepted Answer: 0.077

3) Within a manufacturing company, which functional area is responsible for ensuring the quality design is "fit for use" by the consumer?
   - sales
   - design
   - marketing
   - design engineering
   Answer: C
   Accepted Answer: design engineering

4) Which of the following is not a principle of TQM?
   - continuous improvement
   - expected testing for all employees
   - quality as an important aspect of strategic planning
   - strict adherence to production schedules is of paramount importance
   Answer: D
   Accepted Answer: strict adherence to production schedules is of paramount importance

5) The cost of achieving poor quality falls into which of the following categories?
   - aggravation and internal failure costs
   - internal and external failure costs
   - prevention and internal failure costs
   - aggravation and prevention costs
   Answer: B
   Accepted Answer: internal and external failure costs

6) Where, as an extended Quality team, you emphasized the cost of quality?
   - Walter Shewhart
   - Philip Crosby
   - W. Edwards Deming
   - Joseph Juran
   Answer: D
   Accepted Answer: Joseph Juran

7) In TQM, companies
   - do not expect to inspect incoming materials and parts from their suppliers
   - improve their processes so that product inspection is not required
   - limit the number of their suppliers
   - all of the above
   Answer: D
   Accepted Answer: all of the above

8) ZNAG studies for
   - Define, Measure, Analyze, Improve and Control
   - Define, Measure, Analyze, Improve and Coordinate
   - Do, Measure, Analyze, Improve and Control
   - Define, Measure, Analyze, Improve and Coordinate
   Answer: A
   Accepted Answer: Define, Measure, Analyze, Improve and Control

9) From a box chart where 5R samples were taken, each of size 20, the estimate of the average proportion defective is 0.21. For this data, the estimate of the standard deviation to sample proportion defective is
   - 0.01
   - 0.001
   - 0.004
   - none of the above
   Answer: D
   Accepted Answer: none of the above

10) Which of the following is identified as a transfer cause of poor quality?
    - errors due to lack of training
    - variability resulting from natural, common causes
    - equipment which is out of adjustment
    - defective raw materials
    Answer: B
    Accepted Answer: variability resulting from natural, common causes