Assignment 09

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

1. Measurement is a procedure in which an ______ quantity is compared to a ______ standard, using an accepted and consistent system of ______ units.
   - True
   - False
   [1 point]

2. Typical resolution in a Coordinate Measuring Machine (CMM) is greater than 50 micrometers.
   - True
   - False
   [1 point]

3. Length, mass, temperature, force, current, intensity and time are the seven base quantities used in the measurement.
   - True
   - False
   [1 point]

4. The description of the repeatability of an experiment process is:
   - Accuracy
   - Precision
   - Resolution
   - Reliability
   [1 point]

5. In analog and digital measuring instruments, the number output responses is ______ and ______ respectively, within its operating range.
   - finite, infinite
   - finite, finite
   - infinite, infinite
   - infinite, finite
   [1 point]

6. Client computer control CMM is generally used for measuring ______ and ______.
   - high raw quality, low raw part quality
   - low raw quality, high raw part quality
   - high raw quality, high raw part quality
   - low raw quality, low raw part quality
   [1 point]

7. CMM can be said to be an electromechanical system designed to perform coordinate metrology.
   - True
   - False
   [1 point]

8. Generally, ______ contact is there between the spherical tip probe of CMM and the measured surface.
   - line
   - surface
   - point
   - none of these
   [1 point]

9. Arrange the steps involved in “machine vision” for the quality check is correct order:
   - A. Image processing; B. Feature extraction; C. Decision Making; D. Image acquisition
   - A,B,C,D
   - C,B,A,D
   - A,B,D,C
   - B,A,C,D
   [1 point]

10. Number of points to locate a cylinder in the given CMM demonstration are:
    - 4
    - 6
    - 8
    - 10
    [1 point]

Due on 2020-04-01, 23:09 IST.