Assignment 7

The due date for submitting this assignment has passed.

As per our records you have not submitted this assignment.

1) In ______ type of automation, special purpose equipments are designed and developed, in which the sequence of processing (or assembly) operations is secured by the equipment configuration.
   - A. Programmable
   - B. Fixed
   - C. Flexible
   - D. Variant
   
   *The answer is incorrect*
   *Accepted Answers:*  
   - C. Fixed

2) ____________ form of the screw thread provides multiple contact points of balls with the screw and nut threads.
   - A. Circular
   - B. Gothic
   - C. Parallel
   - D. Elliptical
   
   *The answer is incorrect*
   *Accepted Answers:*  
   - D. Elliptical

3) The components of a part family are to be machined based on their similar manufacturing features. For this purpose, ______ type of automation would be more appropriate.
   - A. Programmable
   - B. Fixed
   - C. Flexible
   - D. Variant
   
   *The answer is incorrect*
   *Accepted Answers:*  
   - A. Programmable

4) Among the following ____________ is an example of “form-closed ram-follower system”.
   - A. Allen cam
   - B. Cylindrical cam
   - C. Surface cam
   - D. Roller cam
   
   *The answer is incorrect*
   *Accepted Answers:*  
   - B. Cylindrical cam

5) Three-dimensional ram (Crank) provides ______ number of degrees of freedom.
   - A. Ten
   - B. Nine
   - C. Four
   - D. Five
   
   *The answer is incorrect*
   *Accepted Answers:*  
   - A. Ten

6) To provide the best performance, it is essential that the ball screw should have ____________
   - A. Hard surface and soft core
   - B. Hard surface and hard core
   - C. Soft surface and soft core
   - D. Soft surface and hard core
   
   *The answer is incorrect*
   *Accepted Answers:*  
   - A. Hard surface and soft core

7) In general, the balls made of ______ material are used in the manufacture of precision ball screw systems.
   - A. Copper
   - B. Aluminium
   - C. Brass
   - D. Steel
   
   *The answer is incorrect*
   *Accepted Answers:*  
   - D. Steel

8) The Shim plate based preloading arrangement generates ____________ type of loading on the nuts and balls.
   - A. Shear
   - B. Bending
   - C. Bending
   - D. Tensile
   
   *The answer is incorrect*
   *Accepted Answers:*  
   - A. Shear

9) Use of CNC machine tools and industrial robots are examples of ______ automation.
   - A. Fixed
   - B. Generative
   - C. Programmable
   - D. Variant
   
   *The answer is incorrect*
   *Accepted Answers:*  
   - C. Programmable

10) An assembly of rigid bodies which are connected by joints, and that transmits forces, motion and energy in a predetermined manner is ______ called.
    - A. Mechanism
    - B. Machine
    - C. Structure
    - D. Linkage
    
    *The answer is incorrect*
    *Accepted Answers:*  
    - A. Mechanism