

## Assignment 6

### **Manufacturing Systems Technology**

1. \_\_\_\_\_ control is the control of a machine by \_\_\_\_\_.  
(a) **Numerical, numbers**                      (b) Directional, quadrants  
(c) Distributive, quadrants                      (d) Numerical, sensors
2. In a computer numerical control system, the \_\_\_\_\_ outputs the signals that direct the \_\_\_\_\_ around in a predetermined sequence of movements.  
(a) Servomotor, cutter                      (b) programmer, transducer  
(c) Controller, sensor                      (d) **computer, machine**
3. In a CNC system, the Z axis is used to denote \_\_\_\_\_ and \_\_\_\_\_ motion of the machine.  
(a) sideways, forward                      (b) **up, down**  
(c) right, left                      (d) forward, backward
4. A \_\_\_\_\_ to \_\_\_\_\_ machining system is often used for doing simple machining operations from a fixed location with a two axis coordinate positioning system.  
(a) left, right                      (b) **point, point**  
(c) right, left                      (d) none of the above
5. With \_\_\_\_\_ control, the \_\_\_\_\_ normally monitors servomotor torque.  
(a) direct, machinist                      (b) **adaptive, controller**  
(c) distributive, machinist                      (d) machining, machine



D. (a)-(iii) ; (b)-(ii) ; (c) (i) ; (d) (iii)

- 10.**In CNC program G81 and G86 are used for ;
- (a) Drilling and deep hole drilling respectively
  - (b) Tapping and through boring respectively
  - (c) Drilling and through boring respectively
  - (d) Chip breaker drilling and tapping respectively