

# Tilak Maharashtra University

Diploma in Engineering

SUB: CAD / CAM

## **Assignment No: I**

(Write any five)

Q.1 Define CAD and CAM?

Q.2 Draw the neat sketch of the product cycle?

Q.3 State the different steps involved in the design process of CAD?

Q.4 State the application of CAD/CAM ?

Q.5 What are the applications of Computer aided manufacturing?

Q.6 How CAD / CAM help in achieving the automation?

Q.7 What are the benefits of Computer aided design?

## **Assignment No: II**

(Write any five)

Q.1 What are disadvantages of NC System?

Q.2 Differentiate between manual part programming and computer assisted part programming?

Q.3 What are the advantages of DNC?

Q.4 Define fits. Explain different types of fits with neat sketch?

Q.5 What are the benefits of Computer aided design?

Q.6 Write short note on cursor control device?

Q.7 Explain different pen plotters with the neat sketches?

### **Assignment No: III**

(Write any five)

Q.1 What is the computer's job in computer assisted part programming in NC machines?

Q.2 Differentiate between NC & CNC machines?

Q.3 Write advantages of NC System?

Q.4 What are the problems with conventional NC system?

Q.5 State & Explain basic components of NC systems?

Q.6 What are four types of statements in APT language?

Q.7 Write short note on robotic sensor?