

CC 5001 Computer Control in Process Planning

Important 2 Marks Questions

Unit I

1. List the three basic code structures used in GT applications.
2. Differentiate process planning from production planning.
3. List out the various approaches to Process Planning.
4. Describe about concurrent engineering.
5. Explain the benefits of GT.
6. What are the stages of Group technology?
7. What are the important functions of production planning?
8. List any six coding systems that are widely recognize in industries.
9. Deduce the techniques available for formation of cell in GT.
10. Draw the functional diagram of CAPP system.

Unit II

1. What is meant by design drafting?
2. Define data structures with respect to part design.
3. List the functional reasons for implementing a CAD system.
4. Name the basic types of geometric transformation?
5. Illustrate about wire frame model and surface models?
6. Explain about Multi Class system?
7. Name any four rules in dimensioning.
8. Describe about geometry and topology?
9. Contrast conventional tolerance and geometric tolerance.
10. Formulate 3D transformation matrix for both translation and scaling.

Unit III

1. What is meant by process capability analysis?
2. Distinguish between forward and backward process planning.
3. List the functions of process Engineering?
4. List any two Generative process Planning advantages and disadvantages.
5. Describe the procedure to develop decision Tables.
6. Illustrate the basic for forming groups in group technology?
7. Explain the limitations of backward planning?
8. Generalize the significance of AI?
9. What are the types of Decision Tables?
10. Illustrate some commercial variant and generative CAPP software systems.

Unit IV

1. State the functions of AUTO PLAN.
2. What is meant by production volume?
3. Define logical design of a process planning?
4. Describe the functions of CAM-I?

5. Express the implementation considerations in process planning?
6. Express the various number of production families?
7. Deduce the limitations of MIPLAN?
8. Point out the parameters involved in production volume?
9. Illustrate the advantage of CPPP?
10. Generalize the correlation between production volume and parametric modelling?

Unit V

1. What are the benefits of report generations?
2. Write the application of production data structures.
3. Define integrated process planning systems?
4. Define modulus structure?
5. Describe about data structure operation?
6. List the activities of expert process planning?
7. Illustrate the limitations of data structure operation?
8. Point out the classifications of expert process planning?
9. Generalize the applications of modulus structure?
10. Describe the interaction of planning functions.