

CODE: 17CD03105

M. Tech I Year I Semester Regular Examinations, February 2018

**COMPUTER AIDED PROCESS PLANNING
(CAD/CAM)**

Time : 3 hours

Max Marks : 60

Answer all **five** units. (5 x 12 = 60 Marks)

UNIT-I

1. (a) What are the benefits of CAPP?
(b) What do you understand by Generative CAPP Systems?

OR

2. (a) Explain the need for process planning and discuss the two levels of process planning.
(b) With a neat sketch, list the functions of process planning in the conventional manufacturing industry.

UNIT-II

3. (a) State the general steps for data retrieval modification.
(b) Discuss the Advantages and Disadvantages of Variant CAPP.

OR

4. With a neat block diagram, explain how information flows in retrieval type of CAPP system.

UNIT-III

5. What is tolerance design? What are the two strategies of carrying out tolerance design? Explain.

OR

6. What are the factors, influencing surface roughness in machining? Explain.

UNIT-IV

7. Explain the concept of fixed zero and floating point zero?

OR

8. How to ensure Tool path generation using CAD/CAM? Explain.

UNIT-V

9. Write a note on MIPLAN.

OR

10. Explain the factors that must be considered when one attempts to implement a process planning system.
