R19

Reg. No:

SIDDHARTH INSTITUTE OF ENGINEERING & TECHNOLOGY:: PUTTUR
(AUTONOMOUS)
B.Tech III Year II Semester Regular Examinations August-2022
COMPUTER AIDED PROCESS PLANNING
(Open Elective-IV)

Time: 3 hours   Max. Marks: 60

(Answer all Five Units **5 x 12 = 60** Marks)

UNIT-I

1	Define process planning? Illustrate the various steps in process planning.	L2	12M

OR

2	a	Point out the information required for process planning system.	L4	6M
	b	Mention the objectives of process planning.	L1	6M

UNIT-II

3	Differentiate between generative and variant CAPP system.	L4	12M

OR

4	Detail out the generative approach in computer aided process planning system.	L2	12M

UNIT-III

5	a	Point out what is MIPLAN.	L3	6M
	b	Deduce the limitations and applications of MIPLAN.	L6	6M

OR

6	What is GT? List the advantage and disadvantage of Group Technology.	L5	12M

UNIT-IV

7	What is MRP? Explain detail about MRP-I and list the various advantages and limitations.	L2	12M

OR

8	a	Differentiate CNC and DNC control system.	L4	6M
	b	What is part programming? Write its types.	L1	6M

UNIT-V

9	Discuss the benefits and limitations of an FMS.	L5	12M

OR

10	Explain the Following terms	L1	12M
	(i) Work station (ii) Material handing (iii) Computer control system		

*** END ***