Reg. No: ☐☐☐☐☐☐☐☐☐☐☐☐

SIDDHARTH INSTITUTE OF ENGINEERING & TECHNOLOGY:: PUTTUR
(AUTONOMOUS)
B.Tech II Year II Semester Supplementary Examinations February-2022
OPERATING SYSTEMS
(Computer Science and Engineering)

Time: 3 hours   Max. Marks: 60

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

UNIT-I

1	Explain Computer System Organization?	12M

OR

2	What is System call? Explain about different types of System calls?	12M

UNIT-II

3	a	Write the difference between user level thread and kernel level thread?	6M
	b	Write about Single & Multithreaded Process?	6M

OR

4	Illustrate about Inter Process Communication?	12M

UNIT-III

5	Explain the solution for Dining-Philosophers Problem	12M

OR

6	a	Explain about Deadlock Avoidance?	7M
	b	Explain how recovery from deadlock?	5M

UNIT-IV

7	Discuss about page replacement algorithms with example	12M

OR

8	a	Explain about file access methods	8M
	b	What is thrashing. Explain	4M

UNIT-V

9	a	Explain about Trusted Platform Model.	6M
	b	Write in detail about goals of protection.	6M

OR

10	a	What is access matrix? Explain the implementation of access matrix.	7M
	b	Explain about Access Control List with Example.	5M

*** END ***