Reg. No:

SIDDHARTH INSTITUTE OF ENGINEERING & TECHNOLOGY:: PUTTUR
(AUTONOMOUS)
B.Tech II Year II Semester Supplementary Examinations Dec 2019
OPERATING SYSTEMS
(Computer Science & Engineering)

Time: 3 hours   Max. Marks: 60

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

UNIT-I

1	a	Define Operating System and explain the various types of Operating Systems	6M
	b	Explain difference between Uni programming and Multi Programming	6M

OR

2	a	Explain about Computer System architecture?	6M
	b	Explain Process Management?	6M

UNIT-II

3	Explain CPU Scheduling Algorithms with examples?	12M

OR

4	a	Write about Inter Process Communication?	6M
	b	Write about Single & Multithreaded Process?	6M

UNIT-III

5	What is critical section problem? Explain with example	12M

OR

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

UNIT-IV

7	a	What is swapping with respect to memory management? explain	6M
	b	Write about Demand paging	6M

OR

8	a	What is Segmentation? Explain with Example	6M
	b	Explain about file access methods	6M

UNIT-V

9	a	Define Protection & Security.	6M
	b	What is secret key and public key cryptography? Explain	6M

OR

10	a	Discuss about cryptography process.	6M
	b	What is access matrix?	6M

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