

**Reg. No:**

--	--	--	--	--	--	--	--	--

**SIDDHARTH INSTITUTE OF ENGINEERING & TECHNOLOGY:: PUTTUR**  
(AUTONOMOUS)

**B.Tech II Year II Semester Supplementary Examinations October-2020**

**FUNDAMENTALS OF OPERATING SYSTEMS**

(Computer Science & Information Technology)

Time: 3 hours

Max. Marks: 60

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

**UNIT-I**

- 1 a Write Short Notes On System Call? 6M  
b Write Briefly On Types Of System Call. 6M

**OR**

- 2 Explain Structure Of Operating System. 12M

**UNIT-II**

- 3 Classify thread libraries. 12M

**OR**

- 4 Explain scheduling algorithms. 12M

**UNIT-III**

- 5 What is allocation of frames, explain. 12M

**OR**

- 6 a What is Thrashing? 6M  
b Discuss cause of thrashing and working set model. 6M

**UNIT-IV**

- 7 Give Example for various disk scheduling. 12M

**OR**

- 8 What are the various kinds of allocation methods and explain. 12M

**UNIT-V**

- 9 a Explain security problem. 6M  
b What are program threats? 6M

**OR**

- 10 Brief about fire walling to protect systems and networks? 12M

\*\*\* END \*\*\*