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SIDDHARTH INSTITUTE OF ENGINEERING & TECHNOLOGY:: PUTTUR
(AUTONOMOUS)
B.Tech III Year I Semester (R16) Regular Examinations November 2018
Operating Systems
(Common to CSE)

Time: **3 hours**

Max. Marks: **60**

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

UNIT-I

1 Define Operating System and explain the various types of Operating Systems? 12M

OR

2 State and explain various types of computer systems. 12M

UNIT-II

3 Explain Multi-Threading models. 12M

OR

4 Write about Inter Process Communication? 12M

UNIT-III

5 Write about Deadlock Prevention Methods? 12M

OR

6 Explain Dead lock detection (Banker's Algorithm) with Example? 12M

UNIT-IV

7 a. Explain the following: i). Paging ii). Segmentation 5M

b. Discuss about Optimal page replacement algorithms with example ? 7M

OR

8 Discuss about directory structures with examples. 6M

UNIT-V

9 Discuss about page replacement algorithms with example 12M

OR

10 a. Explain about various Authentication Techniques. 6M

b. Write short notes on Threats and Intruders. 6M

*** END ***