SLR-S -174

SECTION – II

5. a) Write and explain attachreg. algorithm.   8

   b) Why there is need of saving the context of a process ?   8

6. a) Explain an image of an executable file.   8

   b) In Unix , how user can create a new process ? What sequence of steps are
      followed by Kernel while creating it ?   8

7. a) Explain the function of a validity page fault handler.   8

   b) Describe the process of swapping processes into main memory.   8

8. Write a short note on **any two** :   18

   a) Driver interfaces.

   b) Different time related system calls.

   c) Clist.

Seat No.	

T.E. (Computer Science and Engg.) (Part – II) Examination, 2008
OPERATING SYSTEM – II

Day and Date : Tuesday, 11-11-2008   Total Marks : 100
Time : 10.00 a.m. to 1.00 p.m.

Instructions : 1) Solve any three questions from each Section.
2) Figures to the right indicate full marks.
3) Draw neat sketch wherever necessary.

SECTION – I

1. a) Describe overview of Unix file subsystem.   8

   b) Processes running in Kernel mode can't be preempted by other processes. Why ?   4

   c) How locks are implemented by Kernel ?   4

2. a) Write an algorithm for buffer release.   8

   b) What are advantages and disadvantages of buffer cache ?   8

3. a) What is an inode ? List fields of in-core inode.   8

   b) Write an algorithm input and explain.   8

4. Write short note on **any three** :   18

   a) STAT and FSTAT

   b) Change owner and change mode

   c) Change directory and change root

   d) DUP system call.

P.T.O.