Name	Signature	Student Id Nr	*Points*

Operating Systems, miniexam 7, 13.4.2015 (6p)

Write your answer on this exam paper in the space given. Please notice, that the exam paper is 2-sided.

Disk scheduling algorithms

a) [1 p] Why is C-SCAN (Circular SCAN) better than SCAN (elevator)?

b) [1 p] Which (C-SCAN) problem is solved with N-Step-SCAN? How does it work?

c) [1 p] Which (C-SCAN) problem is solved Linux Anticipatory Scheduler? How does it work?

File Management

d) [1 p] which problem relating to serial files is solved with an indexed serial file? How does the solution work?

e) [1 p] When would it be better to use a B-tree index instead of an ordinary index?

f) [1 p] In UNIX file system the file inode size is constant and relatively small, but the files can still contain very large number of disk blocks. How is this implemented?