

COURSE SE 350

Quiz IIIb

March 31, 2010

1. What material did you mainly use to prepare for the quiz? There only exist correct answers to this question. Please choose one: Electronic version of Stalling's book, printed version of Stalling's book, another book, lecture slides, own notes, nothing.
[1p]
2. Describe a system oriented performance criterion for scheduling processes. [3p]
3. Describe the advantage of circular buffers over double-buffering for I/O systems.
[3p]
4. The I/O subsystem receives the following track read requests: 30, 153, 64, 156, 28, 129, 2, 34, 154. Schedule the I/O using SCAN. Show the access behaviour in a figure with time on the x-axis and the track number on the y-axis. The disk's read head moves 3 tracks per mm on the x axis. [12p]

End of quiz. Total points: 19

B

Quiz guide: The exam consists of 3 questions listed on one page. The exam's total number of points is listed at the end. The quiz duration is 15 minutes. Note make sure you don't have the same quiz ID as any of your neighbours. If you have, say so immediately. **If you don't, you invalidate your score.**