

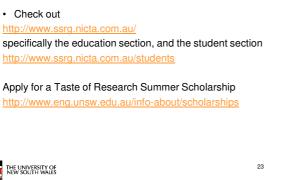


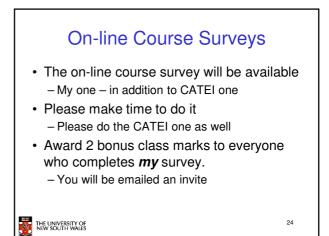


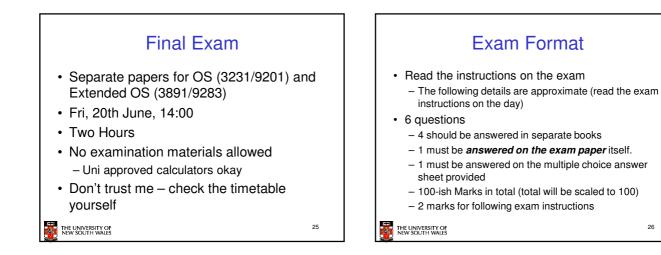


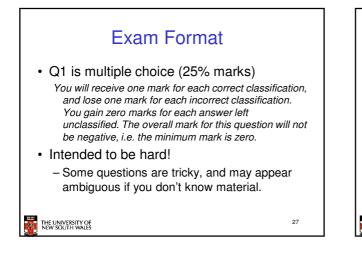
Still Interested?

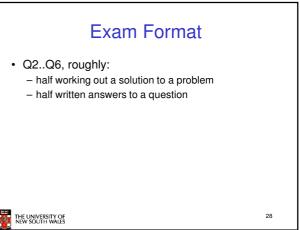
· Check out

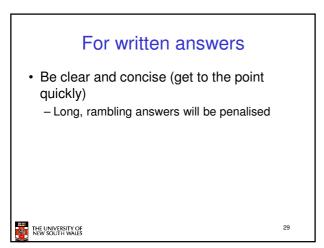


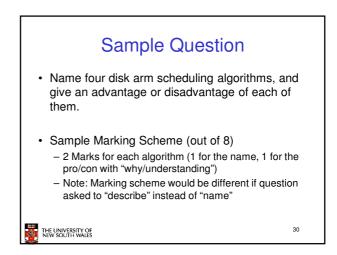












Reasonable answer

- FCFS, SSTF, SCAN, C-SCAN
- FCFS does not take into account head position, may move head excessively, especially in the case of concurrent applications accessing disk (deteriorates to random). Advantage is that it is fair.
- SSTF reduces head movement by choosing request with shortest seek time first, but may result in starvation of distant requests (e.g if a request is always available nearby)
- SCAN/Elevator better than FIFO, and avoids starvation, but does not take advantage of sequential locality on the down scan
- C-SCAN like SCAN, except avoids disk access on the down-scan and hence improves support for sequential locality

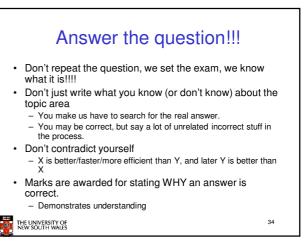
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<section-header><section-header><section-header><section-header><list-item><list-item><list-item><list-item>Dumb answers - FIFO, Clock, EDF, and Two-level scheduling - Don't just as add acronyms you can remember

Dumb answers

- Disk arm scheduling algorithms are used to move the head backward and forward on the disk. We can use many different algorithms to decide and some are better than others. One algorithm include first-come first served. It moves the arm to the location on disk in the order the request arrive in, it is bad cause it has overheads. Sometimes requests will be to inside of disk and outside of disk and arm will move far making disk slow. Moving the disk arm is bad.
 SSEE is where disk achedular chappen black that is
- SSTF is where disk scheduler chooses block that is closest to disk head and goes there. It is better as is does not move the arm a long way, but has overheads too but not as many as FCFS. It is slow because we must search list of disk requests find the closest one. May cause CPU starvation if we spend to much time searching list and no other programs can run THE UNIVERSITY OF THE STAR STAR



Exam Content

- For structure and style, look at the sample exam from past years.
- For content, the tutorial questions are a reasonable *guide*.
- Will be releasing 100-ish sample questions (with student answers).
 - Will attempt to migrate to the wiki
 - Will also answer questions on the forum

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sometimes difficult to answer without a whiteboard
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The questions attempt to examine understanding rather than particular implementations

- · Don't expect
 - "Describe OS/161's exception handling on a timer interrupt"
- But you may get
 - "Describe (in general) a feasible sequence of steps that occur in response to a timer interrupt that results in the current process being pre-empted and a another process running"
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Examinable Content

- All Lectures, Tutorials, Assignments.
- More specifically
 - Anything related to learning outcomes

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