2006 Paper 11 Question 6

Operating System Foundations

(*a*) (*i*) Define a scheduling algorithm based on multilevel feedback queues.

[6 marks]

(*ii*) Discuss the properties of your algorithm. Where appropriate, outline different design decisions that could have been taken. [6 marks]

(*b*) Discuss the implications of an operating system supporting

(*i*) single-threaded processes only;

(*ii*) multi-threaded processes. [8 marks]