

## 2001 Paper 1 Question 4

### Operating Systems

For *each* of the following, indicate whether the statement is true or false, and explain why this is the case (no marks will be awarded for an answer with no explanation).

- (a) Round-robin scheduling can suffer from the so-called “convoy effect”.
- (b) System calls are an optional extra in modern operating systems like Windows 2000.
- (c) A paged virtual memory is smaller than a segmented one.
- (d) In UNIX, hard-links cannot span mount points.
- (e) Direct memory access (DMA) makes devices go faster.

[2 marks each]