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]