



1.2.1 Scheduling

1. When running anti-virus software, an operating system uses a scheduling algorithm to allocate CPU time to the anti-virus software.
 - a) Explain why a First Come First Served scheduling algorithm would **not** be suitable in this situation.

[2 marks]

2. A computer is running a multi-tasking operating system and has access to a printer. The operating system uses scheduling algorithms such as first come first served and round-robin.
 - a) Explain why the computer's operating system uses a First Come First Served scheduling algorithm when sending documents to the printer.

[2 marks]
 - b) Explain why the computer's operating system uses a round-robin algorithm for allocating processor time.

[3 marks]
 - c) Describe **one** other scheduling algorithm.

[2 marks]

3. Explain the purpose of scheduling.

[3 marks]

