3 A computer has an operating system (OS).

(a) Complete the table by writing each missing OS function name and description.

Function name	Description
managing memory	…… …… …… ……
…… ……	allows application software to run on the computer
managing peripherals	…… …… …… ……

[3]

(b) The OS handles interrupts.

(i) State the purpose of an interrupt.

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..... [1]

(ii) Identify **one** input device and **one** example of an interrupt that it can generate.

Input device .....

Interrupt .....

[1]

(iii) A processor is currently executing a program. The processor receives an interrupt.

Explain how the processor manages the current program and the interrupt.

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..... [5]