

5 A computer system has a mouse.

An interrupt is sent to the CPU every time a button on the mouse is clicked.

(a) Identify the name of this type of interrupt.

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(b) The interrupt is placed in a queue.

Explain how the interrupt is serviced after it is placed in the queue.

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(c) The mouse is connected using a universal serial bus (USB) connection.

(i) Explain how data is sent using the USB connection.

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..... [2]

(ii) Give **two** benefits of using a USB connection for this purpose.

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..... [2]

(iii) Give **one** drawback of using a USB connection for this purpose.

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..... [1]