Computer Graphics and Image Processing

(*a*) Standard colour printing uses the four ink colours: cyan, magenta, yellow and black.

    (*i*)   Explain why this is so. [3 marks]

    (*ii*) What benefits are there in using more than these four ink colours?
[3 marks]

(*c*) Describe operations on images which achieve the following effects:

    (*i*)   lighten an image which is too dark; [2 marks]

    (*iv*) convert a colour image (in RGB format) to a greyscale image while preserving the luminance. [2 marks]