Name: Class: Mark:

1. The operating system of a PC carries out many different functions, including **multi-tasking** and **memory management**.

Explain what is meant by each of these terms. [4]

Multi-tasking:

Memory management:

2. A systems administrator makes use of a text-based computer interface to enter commands.

(a) State **one** advantage of using such an interface. [1]

(b) Give **one** reason why text-based computer interfaces are not commonly used by the general public. [1]

3. A user has purchased a new digital camera for recording high quality videos.

When they first want to transfer videos from the camera to their computer, they first connect the camera to a USB port on their computer.

(a) Name the type of software that will need to be installed by the operating system   
before the videos can be transferred. [1]

(b) The user is able to delete photos and change settings on the camera itself. To do this they use up, down and select buttons.

State the type of interface that the camera uses. [1]

(c) Explain **one** security feature that a smartphone operating system provides. [2]

[Total 10 marks]