

7(a)(i)	D
7(a)(ii)	One mark for identifying a function. One mark for a matching description. For example: - Memory management ... managing what gets allocated where in memory - Managing peripherals and drivers ... managing the communication between any input and output devices that are connected to the computer - Multitasking ... managing the process of switching between tasks that are being carrying out - Platform for running applications ... allowing communication between the applications software and the hardware - System security ... proving features such as username and password - User accounts ... allowing multiple user accounts to be created on a computer
7(b)	Any one from: - Firmware - Bootloader - BIOS - Bootstrap

1(a)	Instructions/program that is used to operate a computer/hardware
1(b)	B
1(c)	Operating system // system software

3(a)	Any two from: - Low-level language - Uses mnemonics - Used to communicate directly with the computer hardware
3(b)	Assembler
3(c)	B

7	Any four from: - It is a piece of software ... used to write/develop/edit code ... used test/debug the code ... with features such as auto-completion // any suitable example - To translate the code to low level language/machine code
---	--

6(a)	Any one from: Permanently store instructions (in ROM) - Stores instructions to boot up/start up the computer - Provides the operating system with a platform to run on - Controls/manages/allows communication with hardware Store instructions securely (to stop them being easily corrupted)
6(b)	Any one from: Example: - Bootstrap - Bootloader - BIOS - Operating system (in embedded system) - Programs (in embedded systems)
6(c)	Any two from: - Operating system - Utility software NOTE: Two examples of utility software can be awarded

4	One mark for each correct term in the correct place: - System - Application - Operating - Hardware
7(a)	Any two from: - Close to the language processed by computers - May use mnemonics - An example is assembly language/machine code
7(b)	Any two from: - Can directly manipulate the hardware - No requirement for the program to be portable - Program will be more memory efficient - No requirement for a compiler/interpreter - Quicker to execute - Can use specialised hardware