Mark scheme abbreviations

/ separates alternative words / phrases within a marking point
// separates alternative answers within a marking point
underline actual word given must be used by candidate (grammatical variants accepted)
max indicates the maximum number of marks that can be awarded
( ) the word / phrase in brackets is not required, but sets the context

Note: No marks are awarded for using brand names of software packages or hardware.

Examiners must ensure that annotations are placed to show that the whole answer has been seen
Annotations MUST be placed in white space close to where the mark is awarded
Before submitting a script please check all ticks match marks
If you have not placed any annotation near the end of a long response, then place **R** to show that the whole answer has been read.
Any blank pages place **one** SEEN annotation
Read the sentence **before** marking it

If an answer is left blank then use SEEN and award NR, but if anything has been written for example 'Don't know', '?' etc. then use NAQ and award 0. If an answer has been attempted and crossed out then attempt to mark it.

Question	Answer	Marks
1	SD Card Flash memory	**2**

Question	Answer	Marks
2(a)	*Applications* **One** from: This provides the services that the user requires to solve a task Allows the user to perform a task *System* **One** from: This provides the services that the computer requires to operate Controls the hardware and software This provides a link between the user and the hardware Acts as a platform for other software to run	**2**
2(b)(i)	**Two** from, for example: Word processing software Spreadsheet Database management system Applets	**2**

Question	Answer	Marks
2(b)(ii)	**Two** from: Compilers Linkers Device drivers Operating system Interpreters Utilities	**2**

Question	Answer	Marks
3	*Analogue data* Max **three** from: Is continuous In waveform Low bandwidth Needs to be converted to be processed/read/stored by a computer *Digital data* Max **three** from: Is discrete In the form of 1s and 0s/binary Uses sampling to capture the data High bandwidth Can be processed by a computer without conversion	**4**

Question	Answer	Marks
4	**Four** from: Controls all CPU operations Controls the input and output devices Controls the movement of data within the computer Retrieves instructions Retrieves data from memory Decodes instructions Executes instructions sent from the hardware and software Carries out calculations and comparisons Makes logical decisions Registers/stores the results from the ALU	**4**

Question	Answer	Marks
5	**Two** from: Command Line/CLI Dialogue based Graphical user/GUI	**2**