Qn	Answer	Marks
1a	4GB	1
1b	Storage capacity / HDD size	1
1c	Windows 7 / Operating System	1
2	Keyboard - Input Touchscreen - Input AND Output USB stick - Storage Modem - Communication CPU - Processing Scanner - Input	6 correct - 4 marks 4/5 correct - 3 marks 2/3 correct - 2 marks 1 correct - 1 mark
3a	Short term memory for <u>currently running programs</u> and <u>currently used data</u>	1 1 1 (max 2)
3b	 Processor Faster execution of instructions RAM More programs/files open without having to resort to virtual memory HDD More virtual memory, so better able to cope with more programs running simultaneously 	1 for component 1 for reason Don't allow same component twice (e.g. clock speed & cache size both mean processor) Max 4
3с	 Upgrade Less expensive in the short term, less environmental impact as fewer parts to recycle. Upgrade might provide limited improvement Replace More expensive in the short term, more environmental impact as more to recycle. Replacement might provide significant improvement 	Marked in bands. For full marks, must include: Full consideration. Clear answer/advice. Technical language. SPaG. Max 6
4a	<u>Fetch</u> instructions <u>Execute</u> instructions <u>Store results</u>	1 1 1 (max 2)
4b	i. More instructions executed per second ii.More data available for fast access iii.More instructions executed simultaneously	1 1 1

Qn	Answer	Marks
5a	RAM is volatile / ROM is not RAM is (easily) rewriteable / ROM is not RAM is for currently running programs / ROM is for startup instructions	1 per response Max 2
5b	i. Memory	1
	ii.Acts as a <u>buffer</u> between main memory and CPU iii.Using part of the HDD as an extension to RAM	1
6a	Data could be damaged, erased or corrupted Meaning that the data (e.g. photo) could not be retrieved / would be lost permanently	1 for loss 1 for consequence
6b	i. CD/DVD/BluRay ii.HDD, floppy disc, DAT tape iii.USB stick, SSD, memory card	1 1 1
60	Answers don't necessarily have to refer to the above choices.	Marked in bands. For full marks, must include:
	Consideration should include physical size, storage capacity, robustness, cost and portability.	Full consideration. Clear answer/advice. Technical language.
	Good answers might suggest external HDD for backup and CD-ROM for sending work to clients	SPaG.
		Max 6