6-A-Day – Computer Science GCSE (29)

Q1		
	Points may include: Advantages • Computer system is more systematic than human... will not forget some patients/give consistent results • Software can be deployed in several departments • Easier to analyse records and measure the performance of the hospital. Reliability • Critical application, lives may be at stake if there are errors in the program • Loss of data/loss of power or any system down time can have adverse effects.	**High Level Response (5–6 marks)** A good understanding with detailed descriptions of both advantages and the need for reliability. There will be few if any errors in spelling, grammar and punctuation. Technical terms will be used appropriately and correctly. **Medium Level Response (3–4 marks)** A description of some advantages of the system and the need for reliability but one may be limited. There may be occasional errors in spelling, grammar and punctuation. Technical terms will be mainly correct. **Low Level Response (1–2 marks)** There may be an attempt to describe the advantages or the need for reliabilty but this is vague and some of the statements made are inaccurate. Information will be poorly expressed and there will be a limited, if any, use of technical terms. Errors of grammar, punctuation and spelling may be intrusive.
Q2	• The height/amplitude of the sound wave is measured • ... at regular intervals • ... and converted to binary.	2
Q3	• Each character is assigned a <u>unique</u> character code • Each letter is converted to its character code (which is a binary number)	1

Q4	• 0100 0011 0100 0001 0100 0010. Correct answer only but spaces don't matter	1
Q5	• The error does not prevent program running… • But it does not produce the expected output/it does not do what the programmer intended. • A reasonable example	2
Q6	eg • Provides interfaces between user and computer/Determines look and feel of the computer • Provides a platform for software to run • Manages peripherals used by the system • Manages memory.	2