The answers on this worksheet have been taken from the OCR GCSE Computing June 2011 Paper

6-A-Day – Computer Science GCSE (14)

Q1		
	A B P 0 0 0 0 1 1 1 0 0 1 1 0 1 mark per correct row	[3]
Q2	Antivirus • Scans the computer <u>periodically</u> • To check if any software has been installed which contains code that may harm the computer • Removes/quarantines these programs / notifies the user • Prevents these programs from being installed • Protects the computer by preventing important files (eg the boot sector or operating system) from being changed	[2]
Q3	Disk defragmenter • Moves (parts of) of files around so that all parts of a file are stored together (allowing files to be accessed more quickly) • Free space is collected together (allowing large files to be saved easily)	[2]

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Q4	• 6 * 16 (= 96) / 10 (for A) • 106	[2]
Q5	• Hex numbers are shorter/more memorable than equivalent binary numbers.. • ... and can easily be converted to and from binary... • ... as each hex digit corresponds to 4 binary digits (accept diagram) Do not accept "uses less memory" and similar as being the same as "shorter"	[2]
Q6	Marks in pairs • An integer is a whole number • A real number can include decimal fractions	[2]