## 6-A-Day – Computer Science GCSE (27)

Q1	Explain, with examples, why a large team of programmers need to agree standards when developing the game.												
	The quality of written communication will be assessed in your answer to this question.												
												••••••	
							•••••		•••••				
												[6]	
Q2													
	Add the following bytes.												
		1	1	0	1	1	0	0	0				
	+	0	1	1	0	0	0	0	0				
													[2]
Q3	Canada ale a municipi ann ale ad cuiti		:¢ _						L		- 14-		
	State the problem that will	OCCL	ir it 8	con	npute	eris	io st	ore t	ne re	suit as	a byte.		
			•••••										
			•••••										[1]

Q4	A website is made up of different types of files.										
	State what each of the file types in the table below is used for.										
	File type Use										
		HTML									
		JPG									
		МР3									
		PDF									
										[4]	
Q5	State the output of each of the following logic circuits for the inputs given.										
			0 AND								
Q6	Fig. 1 is a cir	cuit diagram.		)→ (NOT p) A	AND a						
	Complete the truth table for Fig. 1.										
			Fig. 1		ſ	р	q	(NOT p) AND q			
						0	0	0			
					-	1	0	0			
					-						
										[3]	