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

6-A-Day – Computer Science GCSE (12)

Q1	A small business has three stand-alone computers, a printer and an internet connection in an office.																		
	(b) Describe, using a diagram, how the computers can be connected to each other using a bus topology, stating what hardware will be needed.																		
			0,7																
		•••••									•••••								
		•••••									•••••								
Q2		•••••																	[6]
QΖ			follow st sho				ary i	numb	ers	and (expla	in th	e res	ult.					
						1	0	0	1	0	1	1	1						
					+	1	1	0	1	1	0	0	0						
	•••																	[3	21
	•••																		2]
Q3			ants to custor								tome	rs' or	ders	n her	r resta	urant.	She is	thinkin	g
	State two reasons why Karen may decide to use custom written software.																		
					-		-												
	2.																		
																		[2]

Q4	The routine for rolling the dice is written as a sequence below.											
	BEGIN RollTheDice DiceResult(1) = Random Number between 1 and 6 DiceResult(2) = Random Number between 1 and 6 DiceResult(3) = Random Number between 1 and 6 END											
	Rewrite this routine so that it uses iteration. You may use a diagram.											
	[4]											
	[4]											
Q5	A grocery shop uses a database with a DBMS to keep records of its stock.											
	(a) Explain what is meant by a DBMS.											
	[3]											
Q6	A rock band uses an internet website to advertise its music.											
	(a) The website uses HTML.											
	(i) Describe HTML.											
	[2]											