6-A-Day – Computer Science GCSE (49)

	Quinn's current computer specification is shown in Fig. 4.		
		1.5 GHz Dual Core Processor	
		1GB RAM 100GB Hard Drive	
		64KB Cache	
		Touchscreen	
		Integrated camera and speakers 2 x USB 3.0 ports	
		2 × USB 2.0 ports	
		Blu-ray drive 2GB Graphics Card	
		ZGD Grapinos Gard	
	Fig. 4		
	(ii) Quinn has decided to upgrade the RAM on his computer. Explain why this would improve the computer's performance.		

	***************************************	[2]	
Q2		After upgrading the RAM, Quinn could make further changes to improve his computer's performance.	
		Identify the changes and explain how these changes would improve performance.	
	_		
	olan er	The quality of your written communication will be assessed in your answer.	
	ıt plan wer	The quality of your written communication will be assessed in your answer.	
	oint plan ınswer	The quality of your written communication will be assessed in your answer.	
	t point plan y answer		
	llet point plan say answer		
	bullet point plan essay answer		
	a bullet point plan ur essay answer		
	ce a bullet point plan your essay answer		
	duce a bullet point plan or your essay answer		
	Produce a bullet point plan for your essay answer		
	Produce a bullet point plan for your essay answer		
	Produce a bullet point plan for your essay answer		
	Produce a bullet point plan for your essay answer		

Q3	A company, OCR Supermarkets, has supermarket stores throughout the country. The computers for each store connect to the central office using a Wide Area Network (WAN).	
	(a) Identify two differences between a WAN and a LAN (Local Area Network).	
	Difference 1:	
	Difference 2:	
	[2]	
Q4	OCR Supermarkets use a client-server network to connect the checkout computers to the store's server.	
	Describe two benefits to OCR Supermarkets of using a client-server network instead of a peer-to-peer network.	
	Benefit 1:	
	Benefit 2:	
	[4]	
Q5	The supermarket manager's computer can access the Internet and the World Wide Web.	
	(c) Explain the difference between the Internet and the World Wide Web.	
		[2]
Q6	Convert the decimal number 191 into 8-bit binary.	
		F41
		[1]