The questions on this worksheet have been taken from the Original OCR GCSE Computer Science Specimen Paper

6-A-Day - Computer Science GCSE (p1.1-2016)

Q1	Ann wants to purchase a new computer and is looking at two models. The specification of the CPU in each computer is shown in Fig. 1 .				
	Fig. 1				
		Computer 1	Computer 2		
		Clock Speed: 1 GHz	Clock Speed: 1.4 GHz		
		Cache size: 2 MB	Cache size: 2 MB		
		Number of Cores: 4	Number of Cores: 2		
	(a) When running a 3D flight simulator, Computer 1 is likely to run faster than Computer 2. Using the information in Fig. 1, identify one reason for this.				
			70,	[1]	
Q2	(b) Identify two internal of the computers.	I components that are		ld improve the performance	
Q3	(c) Explain one reason	n why the cache size a	affects the performance	e of the CPU.	

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Q4	(d) Identify four events that take place during the fetch-execute cycle.				
	[4]				
Q5	Vicky has been on holiday and has taken lots of photos. The memory in her camera is now full and she needs to transfer her photos to an external secondary storage device.				
	(a) Define what is meant by 'secondary storage'.				
	[1]				
Q6					
	(b) Identify the three common storage technologies Vicky can choose from.				
	[3]				