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<u>6-A-Day – Computer Science GCSE (p1.6-2016)</u>

Q1	A house has computers in each room and a central router. Every room allows both Ethernet and WiFi connections to the router.								
	(a) Identify if the house network is a LAN (local area network) or a WAN (wide area network). Justify your choice.								
					[3]				
Q2	The following table has descriptions of Ethernet and WiFi.								
	Tick (\checkmark) one box in each row to identify if the description is more appropriate for Ethernet or WiFi.								
		Description	Ethernet	WiFi					
		A wired connection							
		More likely to be affected by interf	erence						
		Data can be transmitted at a faste	r speed						
		Wireless transmission							
		Shorter transmission range before	data is lost						
					[5]				
Q3	(i) Describe the purpose of the router in the house's network.								
	(i) because the purpose of the folder in the house a network.								
					[2]				
Q4									
	(ii) Identify two additional items of network hardware, apart from cables and a router, that may be used within the house network.								
		,,							
		1							
		2							
					[2]				

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Q5	A user enters a uniform resource locator (URL) into a web browser on one of the computers in the house. A system is then used to find the IP address of the web server associated with the URL.							
	(i) Nan	(i) Name the system which matches URLs to IP addresses on the web.						
				[1]				
Q6	The following statements describe what happens after the IP address has been found and returned to the user's computer.							
	There are five missing statements in the table.							
	Write the letter of the missing statements from the table in the correct place to complet the description.							
	1 The request is put into packets							
	2							
	 3 The packets are sent across the network 4 5 6 If they have not arrived: 7 A timeout is sent to request the packets are resent 							
	8 If they have arrived:							
	9							
	10							
		Letter	Statement					
		A B	The server checks if all the packets have arrived The packets are put in order					
		C	The request is processed by the web server					
		D	The packets are received by the host server					
		E	Each packet is given the address and a number					
				[5]				