

6-A-Day – Computer Science GCSE (19)

Q1	<ul style="list-style-type: none">• Dress A: 14• Dress B: 10• Dress C: 12	3
Q2	<ul style="list-style-type: none">• (The higher the resolution) more pixels are required for the picture...• ... which will increase the size of the bitmap file. (Accept lower resolution → fewer pixels, smaller size)	2
Q3	<ul style="list-style-type: none">• Stores parts of the operating system <u>currently used by the computer</u>• Stores programs that <u>are currently running</u>• Stores data that are currently used by the computer	2

Q4	<p>Points to be made include:</p> <p>How DNS servers are used:</p> <ul style="list-style-type: none"> • DNS servers have a database of IP addresses • Constantly updated by other DNS servers • When you request an address(URL), the DNS server looks up the URL and returns the IP address, or searches for the address from other DNS servers <p>Advantages</p> <ul style="list-style-type: none"> • People do not need to remember IP addresses • Easily upgradable (eg IPv4 toIPv6) without all web addresses needing to be the same • As long as you are connected to a DNS server you can have access to all the addresses 	6	<p>High Level Response (5-6): A detailed description of how DNS servers are used, and an explanation of the main advantages. There will be few if any errors in spelling, grammar and punctuation. Technical terms will be used appropriately and correctly.</p> <p>Medium Level Response (3-4): A limited description of how DNS servers are used and either one advantage explained or two advantages identified. There may be occasional errors in spelling, grammar and punctuation. Technical terms will be mainly correct.</p> <p>Low Level Response (0-2): There may be an attempt to describe how DNS servers are used but the description is incomplete and/or contains factual errors. An advantage may be identified. Information will be poorly expressed and there will be a limited, if any, use of technical terms. Errors of grammar, punctuation and spelling may be intrusive.</p>
Q5	<ul style="list-style-type: none"> • A section of the hard disk is used... • ... to store items in RAM which are not being currently used 	2	
Q6	<ul style="list-style-type: none"> • Used to allow more programs / data to be loaded when the RAM is insufficient 	1	