

The answers on this worksheet have been taken from the OCR GCSE Computer Science Specimen Paper 2

6-A-Day – Computer Science GCSE (p2.2-2016)

Q1	<ul style="list-style-type: none"> • Taking a number as input • Using HEX subroutine correctly • Calculating Digit 1 • Calculating Digit 2 <p>INPUT decimal digit1 = decimal DIV 16 IF digit1 >= 10 THEN digit1=HEX(digit1) digit2 = decimal – (digit1*16) IF digit2 >= 10 THEN digit2=HEX(digit2)</p>	<p style="text-align: center;">4 (AO3 2b)</p>	<p>1 mark for each bullet.</p> <p>There are no marks associated with data types or conversions of data types.</p> <p>If used, a flowchart should represent the bulleted steps in the answer column.</p>															
Q2	0000 0000	<p style="text-align: center;">2 (AO1 1b)</p>	<p>Correct Answer Only 1 mark per nibble</p>															
Q3	overflow	<p style="text-align: center;">1 (AO1 1b)</p>	<p>Correct Answer Only</p>															
Q4	00110010	<p style="text-align: center;">1 (AO1 1b)</p>	<p>Correct Answer Only</p>															
Q5	<ul style="list-style-type: none"> • The number is divided by 4 • Loss of accuracy ... • ... the bits on the right are removed 	<p style="text-align: center;">2 (AO2 1b)</p>	<p>1 mark per bullet to a maximum of 2.</p>															
Q6	<table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="width: 33%;">A</th> <th style="width: 33%;">B</th> <th style="width: 33%;">P</th> </tr> </thead> <tbody> <tr> <td> </td> <td> </td> <td> </td> </tr> <tr> <td> </td> <td> </td> <td>TRUE</td> </tr> <tr> <td> </td> <td> </td> <td>TRUE</td> </tr> <tr> <td> </td> <td> </td> <td> </td> </tr> </tbody> </table>	A	B	P						TRUE			TRUE				<p style="text-align: center;">2 (AO1 1b)</p>	<p>1 mark for each correct answer in table.</p>
A	B	P																
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