

Oxford Revise | OCR Computer Science | Answers

Chapter 8 Multimedia

Question	Answer	Extra information	Marks	AO / Specification reference
1	63	This question doesn't ask for working, so it is acceptable to just write the answer.	1	AO1 1.2.4
2	The resolution of an image is determined by the number of pixels in a given area. If the resolution of an image is increased, and the image keeps the same number of pixels, then the image size will be smaller, with a sharper appearance. The opposite applies to the image size if the resolution is made lower.	1 mark for each correct statement relating to how the size of an image changes if the resolution of the image is changed.	1 1 1	AO2 1.2.4

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3	<table border="1"> <thead> <tr> <th>Change</th> <th>Sound quality increases</th> <th>Sound quality decreases</th> <th>File size increases</th> <th>File size decreases</th> </tr> </thead> <tbody> <tr> <td>Sample rate changes from 96 000 hertz to 48 000 hertz</td> <td></td> <td>✓</td> <td></td> <td>✓</td> </tr> <tr> <td>Bit depth changes from 16 bits to 24 bits</td> <td>✓</td> <td></td> <td>✓</td> <td></td> </tr> </tbody> </table>	Change	Sound quality increases	Sound quality decreases	File size increases	File size decreases	Sample rate changes from 96 000 hertz to 48 000 hertz		✓		✓	Bit depth changes from 16 bits to 24 bits	✓		✓		1 mark for each correct row.	1 1	AO2 1.2.4
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Bit depth changes from 16 bits to 24 bits	✓		✓																
4	The sound naturally produced by the band as it plays is analogue. A mobile phone will store data digitally. The data therefore needs to be converted from analogue to digital in order for it to be stored.	1 mark for statement about the band’s sound being analogue. 1 mark for a statement about the mobile phone storing digital data.	1 1	AO1/AO2 1.2.4															