

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 means the number of pixels in a given area. If the resolution of an image increases (and the picture size remains the same) then more data points are held. That makes the file size larger.	<p>1 mark for definition of the resolution of an image</p> <p>1 mark for saying increased resolution = greater file size (or lower resolution = reduced file size)</p> <p>1 mark for explanation (higher resolution means more data is stored)</p>	<p>1</p> <p>1</p> <p>1</p>	AO2 1.2.4

Question	Answer					Extra information	Marks	AO / Specification reference
3	Change	Sound quality increases	Sound quality decreases	File size increases	File size decreases	1 mark for each correct row.	1 1	AO2 1.2.4
	Sample rate changes from 96 000 hertz to 48 000 hertz		✓		✓			
	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