IGCSE Computer Science: **s23 12**

1	**One** mark for each correct device: • Actuator • Printer • Speaker

IGCSE Computer Science: **s24 13**

1(a)	8
1(b)	2048
1(c)	nibble

2(a)	16 bits used to represent **each** colour in the image
2(b)	The file size will decrease

IGCSE Computer Science: **s25 11**

1(a)	D
1(b)	2048
1(c)(i)	(Data) Compression
1(c)(ii)	Any **one** from: • Less bandwidth required to transmit the file • Less **storage** space needed to store the file • To meet email file size **limit** • To use less data allowance

3	**One** mark for each correct term or definition. **Term** / **Definition** **pixel** – It is the smallest component of an image. resolution – **The number of pixels high by the number of pixels wide // The number of pixels in an image** **colour depth // bit depth** – This is the number of bits that are used to create each colour in an image. **metadata // header** – This is additional data that is stored with an image that can provide information such as the time and date the image was taken.

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2(a)	**C**
2(b)	14 20 A5