Oxford Revise | OCR Computer Science | Answers

Chapter 13 Social issues

Question	Answer	Extra information	Marks	AO / Specification reference
1	**Benefit:** Working from home **Description:** Fewer people are commuting from home to work leading to a reduction in pollution, as there are fewer cars on the road. **Drawback:** Increased use of electricity **Description:** More electricity needs to be generated which can lead to more burning of fossil fuels, and more CO_2 in the atmosphere.	1 mark for identifying a benefit and 1 mark for a description. 1 mark for identifying a drawback and 1 mark for a description. The answers shown are examples and other appropriate correct answers are also acceptable.	1 1 1 1	AO1/AO2 1.6.1
2	Calls may be intercepted, which means that people who are not meant to hear the call can get hold of private information. Smart phones can be tracked, so your location may be known to people you may not wish to share this with.	1 mark for identifying each privacy issue and 1 mark for an appropriate expansion or clarification of the answer, for up to two issues. The answers shown are examples and other appropriate correct answers are also acceptable.	1 1 1 1	AO1/AO2 1.6.1

3	The use of technology has introduced its own ethical issues. One such issue is cyber bullying, in which people can be sent inappropriate or harassing messages, or be bullied through social media. This can be a problem because this can happen continuously at all times, day or night, and the culprits can be anonymous. It can be very distressing to the victims and it can lead to them having mental health issues, withdrawing from society, or not going to school. Technology use can also give access to inappropriate materials such as pornography or extreme political views, and put people under pressure to access these materials, in order to be seen as part of the group. Another issue is loss of privacy because technology is switched on twenty-four hours a day, meaning everyone is available all the time, and often feel pressured to respond to messages whenever they are received. People can have the impression that they are expected to be available all the time, which can lead to stress or negative mental health problems. These issues can be controlled if everyone behaves responsibly when using technology. This can be by refusing to become involved in negative activities, or reporting them to someone who is in a position to do something about them. Also, managing your own time and	Essay questions are marked based on the quality of the answer using levels, not on how many specific points have been made. It is important that answers are given using continuous prose with good English. The question usually either gives a scenario or lists a number of points that need to be explained, discussed or evaluated. It is important to answer the question in the style relevant to the command word, and include everything stated in the question. If a scenario is given, then the answer should be written in that context. The command word for this question is evaluate, so the response should include ethical issues linked to the use of technology, how they may affect people and how they can be overcome. An overall conclusion is also advised.	4 4	AO1 AO2 1.6.1

	availability online can reduce the negative impact of technology on your privacy. Overall, I think that the use of technology can be more positive than negative, and that ethical issues that can cause problems can be overcome if everyone who uses technology takes care to use it responsibly.	Marks are awarded in one of three bands, if the response is credit worthy: **Mark Band 3 – High Level** **(6-8 marks)** Candidates will have given an answer that includes a clear identification of more than one ethical issue linked to the use of technology, an explanation of how they can affect people and how they can be overcome. An overall conclusion about the ethical issues linked to the use of technology should also be included. **Mark Band 2 – Mid Level** **(3-5 marks)** Candidates will have given a reasonable answer that includes a good description of at least one ethical issue linked to the use of technology and how it can be overcome. A basic conclusion about the ethical issues		

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		linked to the use of technology should also be included. **Mark Band 1 – Low Level** **(1-2 marks)** Candidates will have demonstrated a basic knowledge of at least one ethical issue linked to the use of technology. **0 marks** No attempt has been made to answer the question, or the answer given does not match the requirements of the question.		