3.8. Consequences of Uses of Computing – Test 1

1. a) Define the term 'hacking'. [1]

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    b) Describe what is meant by the terms 'black hat hacker' and 'white hat hacker'. Give an example of why each of these does what they do. [4]

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2. Developments in Computer Science have led to the use of drones in warfare. Debate the ethics of the use of drones.

    You may wish to consider areas such as their accuracy, alternatives, the legality of their use and the lower cost of engagement. [12]

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3.	There has been a huge push in recent years in the development of commercial facial-recognition software by companies such as Google, Facebook and Apple.

	If a human is shown two pictures, they will be able to identify with an accuracy of 97.53% on average if the same person is shown in both pictures. Facebook has developed an algorithm with an accuracy of 97.25%.

	Discuss the uses of this technology and any ethical issues surrounding its use in a commercial setting.

	You may wish to consider what the technology would be used for, privacy concerns, who holds the information and the impact of wearable technology.	[12]

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