

2010 Paper 2 Question 7

Professional Practice and Ethics

- (a) Consider **two** ethical principles of your choice. What is the best justification of these principles? Consider some reasonable alternative justification of these principles. Why is your justification better? (Remember, if you think your justification is the best, then you must have some reason for thinking so!) [6 marks]
- (b) Give **four** characteristics that distinguish a professional body from other social organisations. [4 marks]
- (c) The Computer Misuse Act was passed in 1990. What shortcomings of the law at the time led to this new Act? How was this Act amended by the Police and Justice Bill of 2006, and why were these amendments introduced? Which aspect of the Police and Justice Bill raises problems for Security professionals who test for security vulnerabilities in computing systems, and why? [4 marks]
- (d) The Seventh and Eighth Principles of the Data Protection Act concern data security. The Seventh concerns security within the borders of the UK, the Eighth concerns security outside the borders of the UK. State **two** of the requirements of the Seventh Principle and **one** of the Eighth Principle. [3 marks]
- (e) Offer the best argument you can **either** for the institution of proprietary software, **or** for the institution of free (as in free speech) software. [3 marks]