B.Sc in Information Systems and Information Technology

STAGE 3

SEMESTER 1 EXAMINATION 2009/2010

PROFESSIONAL AND LEGAL ISSUES IN IS/IT PRACTICE

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2 hours

Answer Question 1 and any TWO other questions.

Question 1 carries 40 marks and all other questions carry 30 marks each.
Q.1. Ouzel Solutions Ltd. was established in Dublin in 2005 to provide IT solutions to the cargo shipping sector. The company has grown significantly since its foundation and has established two mainland European branches to cope with its growing business in the regions.

The Directors of Ouzel Solutions have always advocated best practice in relation to ethical behaviour at all times by all employees. However, this best practice is not formally documented. To address this situation the Directors have now decided to prepare a ‘Manual of best IT Ethical Practice’ which will document company practice.

The Director of IT has been charged with implementing the Directors’ decision and has decided to appoint a committee of informed and expert professionals to prepare the company manual. As an IS professional you have agreed to participate in this committee.

(i) Explain the expertise of SIX other individuals you would expect to be invited to participate on the committee. (12 marks)

(ii) Suggest a list of main headings that you would expect to be included in the manual. (8 marks)

(iii) Explain in detail any FOUR of the main headings you suggest in (ii). (20 marks)

Q.2. (a) i. Discuss the rights of the Data Subject which are included in the Data Protection Act. (12 marks)

ii. Explain why it is necessary for the Act to specify certain exemptions. (7 marks)

iii. State any similarity between this Act and the Freedom of Information Act. (3 marks)

(b) Excluding the two Acts mentioned in (a), discuss TWO further examples of enacted legislation which impact the IS professional. (8 marks)
Q.3. Outsourcing an organisation’s Information and Communications Technology (ICT) is a strategic option for some organisations. Identify and fully discuss significant considerations that are critical to a successful outsourcing strategy. (30 marks)

Q.4. (a) i. Give examples from the Information and Communications Technology (ICT) sector of what you understand by the terms current assets and fixed assets. (4 marks)

ii. Indicate how you would calculate an hourly chargeout rate for an employee who earns 55,000 Euro per annum. (8 marks)

iii. Discuss the clauses relating to finance that you would include in a systems development contract between a supplier and an acquirer. (6 marks)

(b) Global warming is a significant concern for Governments worldwide. Discuss how green technology is an alternative which can contribute to reducing the consequences of global warming. (12 marks)