B.Sc in Information Technology

YEAR 2

SUPPLEMENTAL EXAMINATIONS 2005

PROFESSIONAL ISSUES IN IS PRACTICE

MR. RONAN FITZPATRICK
DR. BRENDAN O’SHEA
MR. CYRIL McGANN

THREE HOURS

Attempt FOUR questions.

Each question carries a total of 25 marks.
Q.1. Individuals who wish to join a professional IS society agree to comply with a Code of Conduct and a Code of Practice as a condition of membership.

(a) Discuss in detail how these principles protect public interest. (10 marks)

(b) Discuss in detail any three other principles that you would expect to be included in such a Code of Conduct. (15 marks)

Q.2. (a) Explain the following:

   i. The main principles of the Data Protection Act; (4 marks)
   ii. What should the Data Controller understand by these principles? (4 marks)
   iii. The rights of the Data Subject. (4 marks)

(b) Give an account of the intellectual property that an IT manager needs to be concerned about. (13 marks)

Q.3. Human resources planning is defined as:

   “A strategy for the acquisition, utilisation, improvement and preservation of an enterprise’s human resources”.

(a) Explain how motivational theory can be used as part of this strategy. (12 marks)

(b) Discuss the advantages and disadvantages of acquiring new staff from outside the organisation. (8 marks)

(c) Explain the aim and process of an employee induction programme. (5 marks)

[Turn page]
Q.4. (a) Explain why Information Systems contracts need to include an *Escrow Clause.*
   (5 marks)
   
   (b) Excluding the Escrow Clause, state and fully explain FOUR other clauses that you would expect to find in a contract to design, develop, install and maintain a new Enterprise Information System.
   (20 marks)

Q.5. (a) In the context of an Enterprise Information System, distinguish between the *software project life cycle* and the *software product life cycle.*
   (5 marks)
   
   (b) A product team who are responsible for a very successful Enterprise Information System, which is available internationally, includes the following five professionals.
   
   i. Product manager  iv. Software engineer
   ii. Accountant  v. Marketing manager
   iii. Solicitor
   
   Explain the inputs to the product team from any FOUR of these professionals.
   (20 marks)

Q.6. Write short notes on any FIVE of the following:

   i. The *fixed assets* and the *current assets* of an IT department;
   ii. The evolution process of an international standard;
   iii. The Statutory Instrument;
   iv. Planning successful Information Systems projects;
   v. Continuing professional development for IS staff;
   vi. Information Systems risk.
   (5 X 5 marks)