B.Sc in Information Technology

YEAR 2

SUMMER EXAMINATIONS 2006

PROFESSIONAL ISSUES IN IS PRACTICE

MR. RONAN FITZPATRICK
DR. BRENDA N O’SHEA
MR. P. LAWLESS

Attempt FOUR questions.

Each question carries a total of 25 marks.
Q.1. A team of young innovative software developers have successfully developed a state-of-the-art software solution. They can see excellent opportunities for exploiting their product but first need to establish a formal software company. You have been hired as a consultant to prepare a report for them on the issues that they will need to address when forming this company.

As consultant to this team, explain in detail the topics you would address in your report. (25 marks)

Q.2. (a) In the context of modern Information Systems explain the terms

   i. Request for Proposal
   ii. Invitation to Tender

(b) List and fully explain any SIX clauses that you would include in a contract between an acquirer and a supplier of a new bespoke Information System. (18 marks)

Q.3. Organisations that invest in Information Systems (IS) need to be continuously conscious of protecting their investments and rights.

Explain how they might do this:

   i. During contract negotiation
   ii. During the project life cycle
   iii. During the Information System product life cycle. (25 marks)

Q.4. (a) Explain the expression employee induction process. (4 marks)
(b) Explain how Maslow’s Theory of Needs can be interpreted by IS management. (12 marks)
(c) Discuss any further considerations that IS management would address when selecting team members. (9 marks)
Q.5. (a) A condition of membership of professional institutes or professional societies is that members must agree to be bound by a Code of Conduct and a Code of Practice. What issues would you expect to be addressed by the Code of Practice? (8 marks)

(b) Some professional bodies require their members to ensure that the member’s products and related modifications meet the highest professional standards possible. Explain, with examples, what this means. (7 marks)

(c) Discuss, with appropriate examples, the merits or otherwise of professional bodies being self-policing. (10 marks)

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

i. IS project planning charts;
ii. Nolan’s Six stages of growth model;
iii. Software theft;
iv. The Acquirer’s perspective of software quality;
v. The rights of a Data Subject;
vi. Financing IS solutions. (5 X 5 marks)