B.Sc in Information Technology

YEAR 2

SUMMER EXAMINATIONS 2004

PROFESSIONAL ISSUES IN IS PRACTICE

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Attempt FOUR questions.

Each question carries a total of 25 marks.
Q.1. (a) You have recently joined a young innovative software company and have been requested to prepare a report outlining how the company should implement an intellectual property policy. Explain in detail the topics you would address in your report. (25 marks)

Q.2. (a) Discuss the main clauses that should be included in a Contract of Employment of a professional person working in Information Systems development. (12 marks)
(b) Explain in detail the various options that are available for the training and development of technical staff. (13 marks)

Q.3. (a) Explain the main provisions of the Data Protection Act. (15 marks)
(b) Discuss the rules that apply to data protection in the electronic communications sector. (10 marks)

Q.4. (a) Outline the general stages by which ISO standards evolve. (5 marks)
(b) For two ISO international standards of your choice explain how these standards support the creation of quality software products. (12 marks)
(c) Explain why commercial organisations often create international standards. (8 marks)

Q.5. (a) Explain the advantages that can accrue to a company which employs individuals who are members of professional institutes or professional societies. (10 marks)
(b) Some professional bodies are charged with the protection of the public interest. Explain, with examples, what this means. (9 marks)
(c) Discuss any special regulations that a professional body might impose on those practicing as consultants. (6 marks)

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

i. Critical path method;
ii. Request for proposal;
iii. Software theft;
iv. Job rotation and job enrichment;
v. Organisational structures for the Information Technology sector;
vi. Information Systems issues in company mergers. (5 X 5 marks)