B.Sc in Information Technology

YEAR 2

SUPPLEMENTAL EXAMINATIONS 2006

PROFESSIONAL ISSUES IN IS PRACTICE

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3 Hours

Attempt FOUR questions.

Each question carries a total of 25 marks.
Q.1. (a) Outline the roles of the professionally qualified persons that you would appoint to the product team that will be responsible for a new Enterprise Information System. (15 marks)

(b) Discuss how the people that you appoint will interact with the project team during product development. (10 marks)

Q.2. (a) Explain how an IS organization would become ISO 9000 certified. (16 marks)

(b) Excluding ISO 9000 certification, discuss International standards that an IS professional needs to be familiar with. (9 marks)

Q.3. (a) Explain the strategy you would use to implement a staff training and development programme. (11 marks)

(b) Discuss the advantages that accrue to an organization that employs individuals who are members of recognized professional societies. (14 marks)

Q.4. Give an account of FOUR examples of legislation that have been enacted and which specifically impact the Information Technology sector. (25 marks)

Q.5. (a) Explain the difference between internal software quality factors and external software quality factors. (6 marks)

(b) Discuss the external software quality factors that you would specify for inclusion in a new Business Information System. (12 marks)

(c) Give a brief account of how you would monitor that the quality factors that you specify are being properly addressed during the systems development. (7 marks)

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

   i. Respecting intellectual property;
   ii. The legal formation of a company;
   iii. Resource histograms;
   iv. Systems development risk;
   v. Team structures;
   vi. A Request for Proposal.       (5 x 5 marks)