



KENYATTA UNIVERSITY

UNIVERSITY EXAMINATIONS 2010/2011

INSTITUTE OF OPEN LEARNING

EXAMINATION FOR THE DEGREE OF BACHELOR OF SCIENCE
(INFORMATION TECHNOLOGY)

SIT 402: PROFESSIONAL ISSUES IN INFORMATION TECHNOLOGY

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DATE: FRIDAY 4TH FEBRUARY 2011

TIME: 2.00 P.M. - 4.00 P.M.

INSTRUCTIONS

ANSWER 1 AND ANY OTHER TWO QUESTIONS

Question 1.

- (a) Information can only be of some value if it bears “GOOD” qualities. Explain four qualities of GOOD information. (4 Marks)
- (b) Information is essentially human in its origin and is inherently intangible. Explain the following key features of information. Information is:- (5 Marks)
- (i) Human
 - (ii) Expandable
 - (iii) Compressible
 - (iv) Transportable
 - (v) Diffusive
- (c) Explain five moral dimensions of the information age. (5 Marks)
- (d) List five exclusive rights given by “COPYRIGHTS” to the owner of the copyrights. (5 Marks)

- (e) Software license agreement declare certain actions illegal while at the same time allow other actions as appertains software use. Explain three (3) acts that are declared illegal and three (3) other acts that software license agreement may allow.

(6 Marks)

Question 2.

Imagine you are a senior IT manager in an organization. You have been heading a technical evaluation team that has been evaluating a large ICT tender which, after implementation, will lead to major changes in the organization. Your evaluation team has been doing its work as per the firm's procurement procedures. However towards the end you discover that one of the team members is closely associated with one of the companies that bid for the tender, was involved in its proposal preparation and has been discussing the results of the evaluation with the bidder. These actions have unduly influenced the results of the evaluation and the bidder has won the tender as per the evaluation results. At the same time your boss dismisses the results of the evaluation exercise because the company he would have liked to win the tender did not win it. Indeed he insists that you manipulate the results of the evaluation until the company he favours wins the tender before you officially submit the evaluation report.

- (a) Identify key ethical issues.

(4 Marks)

- (b) Describe what actions you would take in line with good ethical practice. State the assumptions that you make.

(6 Marks)

- (c) Describe four different types of ethical issues.

(10 Marks)

Question 3.

- (a) Explain five factors that affect system security.

(10 Marks)

- (b) Explain the factors you would consider when drawing a safety policy for an organization.

(10 Marks)

Question 4.

- (a) What is the importance of a code of ethics in an organization? (10 Marks)
- (b) What are the major areas of professional responsibility covered in the Code of Practice for computing professionals? (10 Marks)

Question 5.

Telecommuting is working from a remote location (often one's home workstation) using computers, telephones, fax machines, and other remote capabilities, rather than commuting via automobile or other mode of transportation to and from an employer's work site to perform equivalent work.

- (a) Explain five (5) benefits of telecommuting to the employee (telecommuter). (10 Marks)
- (b) Explain five (5) benefits of telecommuting to the employer. (5 Marks)
- (c) Explain any five (5) disadvantages of telecommuting. (5 Marks)