



MACHAKOS UNIVERSITY

University Examinations for 2018/2019

SCHOOL OF ENGINEERING AND TECHNOLOGY

DEPARTMENT OF COMPUTING AND INFORMATION TECHNOLOGY

SECOND YEAR SECOND SEMESTER EXAMINATION FOR

BACHELOR OF SCIENCE (INFORMATION TECHNOLOGY)

SIT 202: ETHICS IN INFORMATION TECHNOLOGY

DATE: 3/5/2019

TIME: 11.00-1.00 PM

INSTRUCTIONS

Answer **question ONE** and any other **TWO** questions.

QUESTION ONE (30 MARKS)

- a) Explain each of the following terms:-
 - i) Moral good
 - ii) Moral evil
 - iii) Norms (6 marks)
- b) Explain **three** advantages of embracing of IT ethics in organizations. (6 marks)
- c) Mukuro company ltd. Management experienced a lot of resistance from the employees while trying to automate its systems. Explain **four** causes of this resistance. (4 marks)
- d)
 - i Explain **three** strategies for consumer profiling using IT. (3 marks)
 - ii Describe **four** benefits that consumer profiling provide to you as a consumer. Do these benefits outweigh the loss of your privacy? (4 marks)
- e)
 - i. Define identity theft (1 mark)
 - ii. Discuss **four** techniques that identity thieves use. (4 marks)
- f) Explain briefly the fair use doctrine. (2 marks)

QUESTION TWO (20 MARKS)

- a)
 - i. Define digital divide (1 mark)
 - ii. Briefly discuss **three** ways that are used to reduce the negative influence of the digital divide. (6 marks)
- b) How do codes of ethics, professional organizations, certification, and licensing affect the ethical behavior of IT professionals? (5 marks)
- c)
 - i Describe **four** principal parties that participate in all information relationships (4 marks)
 - ii Describe **four** covenants that exists between these parties in b)ii). (4 marks)

QUESTION THREE (20 MARKS)

- a) Discuss how technology has made some companies absolute. Discuss citing **three** cases in Kenya. (6 marks)
- b) In order to enforce ethical issues relating to personal data, the government should introduce data protection act.
 - i) Outline **three** principles that the data protection act may contain. (3 marks)
 - ii) Outline **three** ways through which an employee in an organization might break laws governing data protection. (3 marks)
- c) Explain **six** individual professional responsibilities. (3 marks)
- d) Describe the Information Life Cycle. (5 marks)

QUESTION FOUR (20 MARKS)

- a) In regard to information technological changes. Justify how it affects the following and their relationship;
 - i. Technological innovation and society (3 marks)
 - ii. Technological innovation and law (3 marks)
- b) A physician is working in a public hospital where the hospital and the public do not support euthanasia. If the doctor is asked by her patient to assist him in taking his own life, the doctor must examine all **four** codes a working professional usually observes. Discuss. (8 marks)

- c) Define Social Contract and describe **three** social tensions that a social contract must deal with regarding use of information. (6 marks)

QUESTION FIVE (20 MARKS)

- a) Discuss **three** broad issues relating to electronic information systems and each of their extensions. (6 marks)
- b) i Describe the **five** approaches to values to deal with moral issues (5 marks)
- ii A coworker calls you at 9:00 a.m. at work and asks for a favor. He is having car trouble and will be an hour late for work. He explains that he has already been late for work twice this month and that a third time will cost him four hours of pay. He asks you to stop by his cubicle, turn his computer on, and place some papers on the desk so it appears that he is in. You have worked on some small projects with this coworker and have gone to lunch together. He seems nice enough and does his share of the work, but you are not sure what to tell him.
- Use the **five** step decision making process to analyze the above situation and recommend a course of action. (5 marks)
- c) Discuss briefly **two** different whistle-blowing methods. (4 marks)