



MACHAKOS UNIVERSITY

University Examinations for 2016/2017

SCHOOL OF ENGINEERING AND TECHNOLOGY

DEPARTMENT OF COMPUTING AND INFORMATION TECHNOLOGY

FOURTH YEAR FIRST SEMESTER EXAMINATION FOR BACHELOR OF SCIENCE
IN INFORMATION TECHNOLOGY

SIT 406: ISSUES IN INFORMATION TECHNOLOGY

DATE: 26/7/2017

TIME: 11:00 – 1:00 PM

INSTRUCTIONS

Answer Question One and Any Other Two Questions

QUESTION ONE (COMPULSORY) (30 MARKS)

- a)
 - i Define Globalization (1 mark)
 - ii Discuss any four arguments that are for Globalization. (4 marks)
- b) Discuss any three computer crimes that can be committed by individuals using computers (3 marks)
- c) Explain briefly the fair use doctrine. (1 mark)
- d) Discuss five ways identity thieves use to acquire personal identity. (5 marks)
- e) Discuss how technology has made some companies absolute. Discuss citing three cases in Kenya. (6 marks)
- f) Describe the following ethical theories, explaining a case for and a case against each of them. (10 marks)
 - i Relativism
 - ii Kantianism
 - iii Devine command theory
 - iv Utilitarianism
 - v Social contract theory

QUESTION TWO (20 MARKS)

- a)
 - i Discuss any five functions of an ethical code. (5 marks)
 - ii With regards to computers and professionals, how do ethical problems arise.
Discuss any five points. (5 marks)
- b) Cybercrime has been on the rise with rising growth on digital business connectivity.
Describe citing case scenarios how it has negatively affected business growth(10 marks)

QUESTION THREE (20 MARKS)

- a) In regard to information technological changes. Justify how it affects the following and their relationship;
 - i Technological innovation and society (4 marks)
 - ii Technological innovation and law (4 marks)
 - iii Society and technological innovation (4 marks)
 - iv Law and technological innovation (4 marks)
- b) Discuss briefly the two-different whistle-blowing methods. (4 marks)

QUESTION FOUR (20 MARKS)

- a) Define and explain the following Intellectual Property rights
 - i Copyrights (3 marks)
 - ii Trademarks (3 marks)
 - iii Utility/Design Patents (3 marks)
 - iv Trade Secrets (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)

QUESTION FIVE (20 MARKS)

- a) There has been a debate on the existence of the Digital Divide. Discuss your opinion whether there is one or not by discussing the five indicators of the Digital Divide.
(10 marks)
- b) Discuss any **five** workplace issues that affect the employee. (10 marks)