**W1-2-60-1-6**

## JOMO KENYATTA UNIVERSITY

**OF**

**AGRICULTURE AND TECHNOLOGY**

# University Examinations 2015/2016

**YEAR FOUR SEMESTER ONE EXAMINATIONS FOR THE DEGREE OF BACHELOR OF SCIENCE INFORMATION TECHNOLOGY**

**BIT 2111: PROFESSIONAL ISSUES IN IT**

**DATE: AUGUST 2016 TIME: 2 HOURS**

**INSTRUCTIONS: ANSWER QUESTION ONE (COMPULSORY) AND ANY OTHER TWO QUESTIONS FROM SECTION B**

**SECTION A**

**QUESTION ONE (30 MARKS)**

a) Define code of conduct and explain any four code of conduct that must be followed in computing (5 marks)

b) Mobile phone providers are subjected to privacy laws and is supposed to keep information private. Explain situations that would warrant government agencies to access your cell phone data logs (6 marks)

c) Mr. Maina has been charged in court for using a digital device to send hate speech. Discuss the different crime committed by Mr. Maina

(4 marks)

d) As a network security analyst at XYZ company, discuss any five security threats facing your organizations (10 marks)

e) List and explain the current technological advancements in the field of IT and computing (5 marks)

**SECTION B (ANSWER ANY TWO)**

**QUESTION TWO (20 MARKS)**

a) Discuss any five ethical issues affecting the IT profession (10 marks)

b) List and explain the ten commandments of computer ethics as defined by the computer ethics institute (10 marks)

**QUESTION THREE (20 MARKS)**

a) Edward Showden’ an American Computer Professional former CIA employee copied and leaked classified information for National Security Agency (NSA) without prior authorization. He disclosed numerous global surveillance programs run by NSA. In October 2013 he was awarded the whistleblower prize.

Required;

i) What is your opinion on Showden case on privacy concerns?

(4 marks)

ii) Do you think he is a hero or a villain? (3 marks)

iii) Explain the meaning of the underline words (5 marks)

b) State and explain the data protection principles and their significance

(9 marks)

**QUESTION FOUR (20 MARKS)**

a) List and explain any four structuring principles for an IT organization

(8 marks)

b) Discuss some of the ways in which internet crime can be stopped

(6 marks)

c) State and explain the different types of laws that exist (6 marks)

**QUESTION FIVE (20 MARKS)**

a) Discuss the following concepts citing relevant examples;

i) Conflicts of interest (2 marks)

ii) Disclosing confidential information (2 marks)

iii) Misrepresentation (2 marks)

iv) Non repudiation (2 marks)

b) List and explain any three IT professional bodies (Local or International) (6 marks)

c) Define the following terms as used in computing;

i) Intellectual property (2 marks)

ii) Patents (2 marks)

iii) Trade marks (2 marks)