



MAASAI MARA UNIVERSITY

**UNIVERSITY EXAMINATIONS 2018/2019
(REGULAR)**

**SCHOOL OF SCIENCE AND INFORMATION
SCIENCES**

**UNIVERSITY EXAMINATIONS FOR THE
DEGREE OF BACHELOR OF SCIENCE
(COMPUTER SCIENCE)**

FOURTH YEAR REGULARAR EXAMINATION

COURSE CODE: COM 421

**COURSE TITLE: SOFTWARE AND
ENGINEERING LAW**

**DATE: 29TH APRIL 2019
0830 - 1030 HRS**

TIME:

INSTRUCTIONS

1. Answer Question ONE and any other TWO Questions From Section II
2. Question 1 is compulsory.
3. Time 2HRS.
4. **Mobile phone are not allowed in exam room.**

**Section I, Compulsory
marks)**

(30

- (a)** As per the council of Europe convention, discuss each of the following Offences against the confidentiality, integrity and availability of computer data and systems.
[12 marks]

- a. Illegal access.
- b. Data interference.
- c. System interference.

- (b)** As an IT specialist/student you are invited to give a talk to bachelor of education students on child pornography, give a detailed meaning of child pornography, from a legal point of view specifying the ages termed as minor by the Kenyan law.
[8 marks]

- (c)** Is there a difference between ethics and law? Explain the differences, if any.
[5 marks]

- (d)** Explain the term “advanced electronic signature” as used in the Kenya Communications (Amendment) Act, 2008.
[5 marks]

Section II, Answer any two Questions

Question 2

- (a)** Outline five main functions of the Communications commission of Kenya, in relation to electronic transactions.
[10 marks]
- (b)** Sections 84C and 84D of the Kenya Communications (Amendment) Act, 2008 deals with Tampering with computer source documents and Publishing of obscene information in electronic form. Give detailed explanation of each of the two sections.
[10 marks]

Question 3

- (a)** The Kenya government is in the process of rolling out a single digital registration and identification platform. The system will be the "primary database and single source of truth for personal registration data" on all Kenyans and foreigners in the country. In light of this and based on the draft African union convention on the establishment of a

credible legal framework for cyber security in Africa version 01/01/2011, explain the rights of the person whose personal data are to be processed as relates to the following;

(i) Right to information **(10**

Marks)

[ii] Right of access. **[5**

marks]

[iii] Right of opposition. **[5**

marks]

Question 4

(a) Discuss the differences between law and ethics.

(4 marks]

(b) Many domestic laws and customs do not apply to international trade which is governed by international treaties and trade agreements. Discuss the role of the European Council Cyber-Crime Convention to this effect.

(6 marks)

(c) Explain any five of the ten commandments of computer ethics from the computer ethics institute.

(10 Marks)

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