



TECHNICAL UNIVERSITY OF MOMBASA
INSTITUTE OF COMPUTING AND INFORMATICS

Select department

UNIVERSITY EXAMINATION FOR:

BTIT/SEP2015/J-FT

EIT 4301: ICT PROFESSIONAL ETHICS

SPECIAL/SUPPLEMENTARY EXAMINATION

SERIES: SEPTEMBER 2018

TIME: 2HOURS

DATE: Sep 2018

Instructions to Candidates

You should have the following for this examination

-Answer Booklet, examination pass and student ID

This paper consists of **FIVE** questions. Attempt question ONE (Compulsory) and any other TWO questions.

Do not write on the question paper.

Question ONE

a) Explain the following terms as used in ICT professional ethics:

- (i) Escrow
- (ii) Intellectual property
- (iii) Copyright
- (iv) Breach of Contract
- (v) Damages

(10 Marks)

b) State any Four reasons why ethics and Law are needed in computing

(4 Marks)

c) Explain the following social problems resulting from existence of computers:

- (i) Software theft
- (ii) Cyber crime
- (iii) Computer misuse
- (iv) Computer Crime
- (v) Computer errors

(10 Marks)

d) Explain the following terms:

- (i) Contract
- (ii) Software contract
- (iii) Code of conduct

(6 Marks)

Question TWO

- a) Both Ethics and Law complement each other when an individual is using ICT resources.
(i) Discuss any three similarities between the two (6 Marks)
(ii) Discuss any five differences between the two (10 Marks)
- b) Explain any four reasons why ICTs have contributed to many ethical issues in the society. (4 Marks)

Question THREE

- a) Explain any five moral dimensions of the information age (10 Marks)
- b) Information Communication Technology (ICT) has heightened ethical concerns and made some Laws severely crippled. Explain any Four key technological trends that raise ethical issues. (8 Marks)
- c) Explain the following terms:
(i) Profiling
(ii) Non – obvious Relationship Awareness (NORA) (2 Marks)

Question FOUR

- a) Ethical choices are decisions made by individuals who are responsible for the consequences of their actions. Explain the following terms:
(i) Responsibility
(ii) Accountability
(iii) Liability
(iv) Due Process (8 Marks)
- b) Explain any five functions of code of ethics (10 Marks)
- c) Explain the term “Ethics” as used in ICT (2 Marks)

Question FIVE

- a) State the five commitments highlighted in IEEE code of ethics (5 Marks)
- b) Explain the term “Ergonomics” (2 Marks)
- c) Explain the following occupational diseases related to the use of ICTs, identify symptoms in each case.
(i) Carpal tunnel syndrome
(ii) Computer vision syndrome
(iii) Technostress (6 Marks)
- d) When repetitive stress injury are caught on time, it can be cured with proper care and prescriptions that emphasize changes in individual work styles and techniques. Suggest any five changes in work styles and techniques. (5 Marks)
- e) Explain the following terms:
(i) Patents
(ii) Trade Marks (2 Marks)