



THE MOMBASA POLYTECHNIC UNIVERSITY COLLEGE

(A Constituent College of JKUAT)

Faculty of Engineering & Technology

DEPARTMENT COMPUTER SCIENCE & INFORMATION TECHNOLOGY

HIGHER DIPLOMA IN INFORMATION COMMUNICATION TECHNOLOGY - HDIP10A

YR 2, SEM 2

ECT 3107: ICT ETHICS

SPECIAL/SUPPLEMENTARY EXAMINATION

SERIES: FEBRUARY/MARCH 2012

TIME: 2 HOURS

Instructions to Candidates:

You should have the following for this examination

- *Answer Booklet*

This paper consist of **FIVE** questions in **TWO** sections **A & B**

Answer question **ONE (COMPULSORY)** and any other **TWO** questions

Maximum marks for each part of a question are as shown

This paper consists of **THREE** printed pages

SECTION A (COMPULSORY)

Question 1 (30 marks)

- a) Distinguish between
- i) Law and morality (2marks)
 - ii) The stockholder and stakeholder theories of CSR (2marks)
 - iii) Business and technology ethics (2marks)
- b) Explain why computerization may reduce error and fraud detection abilities. (2marks)
- c) List and briefly explain **two** societal and ethical challenges of IT. (4marks)
- d) List and explain any **two** of the ten commandments of computer ethics. (4marks)
- e) Distinguish between the following ethical theories:
- i) Meta –ethics
 - ii) Applied ethics (6marks)
- f) In civil law wrongs may be addressed through the law of tort.
- i) Explain the following phrase : “joint tortfeasors have a right of contribution” (2marks)
 - ii) Provide three differences between contracts and torts. (6marks)

SECTION B (Answer any two questions)

Question 2 (20 marks)

- a) All computer users should read, think about and consider adapting for their own use one of several computer codes of ethics put forward by computer professional organizations. A study done to compare such codes revealed themes common to all of them. List four of these common themes (8marks)
- b) Most code of ethics cover relation professionals may form. Briefly describe the relationships professionals may have with
- i) Their employers
 - ii) Clients
 - iii) other professionals (12 marks)

Question 3 (20marks)

- a) List and briefly explain the four principles of technology. (8marks)
- b) Outline and illustrate with the use of examples three ways of which you can control
- i) The output of information systems (6marks)
 - ii) Storage of data resources (6marks)

Question 4 (20 marks)

- a) Distinguish between public and private law

- b) Outline **three** elements of a contract. Illustrate your answer using a different decided case for each element. (4marks)
- c) Describe **two** ways in which a contract may be established when dealing with software.(4marks)
- d) Describe the rules applicable to exclusions and limitations of liability with regards to a sale and a hiring of hardware and software. (6 marks)

Question 5 (20marks)

- a) List two items that cannot be patented. (4marks)
- b) As computer professionals we must try to bridge the digital divide. Millions of computer users suffer from some sort of disability that may hinder their user of computers the internet.
- With the use of a practical example define the term “digital divide” (4marks)
- c) List **four** disabilities that would lead to social exclusion and how you assuming you are a web designer would increase computer and internet accessibility for people suffering from these disabilities. (12marks)