



TECHNICAL UNIVERISTY OF MOMBASA

Faculty of Engineering & Technology

DEPARTMENT OF COMPUTER SCIENCE & INFORMATION TECHNOLOGY

CERTIFICATE IN INFORMATION COMMUNICATION & MAINTENANCE
(CICM)

UKUNDA CAMPUS

EIT 1104: INTRODUCTION TO ICT

END OF SEMESTER EXAMINATION

SERIES: AUGUST 2013

TIME: 2 HOURS

Instructions to Candidates:

You should have the following for this examination

- Answer Booklet

This paper consists of **FIVE** questions. Attempt question **ONE** and any other **TWO** questions
Maximum marks for each part of a question are as shown

This paper consists of **TWO** printed pages

Question One (Compulsory)

- a) Define the following terms as used in ICT:
 (i) Computer system
 (ii) Computer software (4 marks)
- b) Computers are electronic machines which accept data as input, process and gives information as an output. List **FIVE** methods of classifying computers. (5 marks)
- c) List **FIVE** considerations in purchasing computer hardware. (5 marks)
- d) Describe the functions of an operating system (6 marks)

Question Two

- a) Differentiate between utility program and application software, giving two examples in each. (6 marks)
- b) With the aid of a well labeled block diagram, illustrate the main components of the central processing unit. (8 marks)
- c) List and explain **THREE** features and trends of computer softwares. (6 marks)

Question Three

- a) Differentiate between computer Ergonomics and security. (4 marks)
- b) List any **SIX** advantages of using computers in an organization. (6 marks)
- c) What do the following Acronyms stand for? (2 marks)
 (i) G.U.I
 (ii) A.L.U
- d) Differentiate between ROM and RAM giving key characteristic in term. (2 marks)
- e) Describe **FIVE** types of computers based on power and price. (10 marks)

Question Four

- a) State any **SIX** security threats and recommend measures of controlling them. (12 marks)
- b) List **FIVE** roles of a system analyst (5 marks)
- c) What is a computer generation? Give **ONE** characteristics of earlier computer generation. (3 marks)

Question Five

- a) List **FOUR** computer communication equipment. (4 marks)
- b) List **FOUR** safety measures when dealing with computer systems. (4 marks)
- c) List **THREE** limitations of computers (3 marks)

d) What is a computer virus?

(2 marks)

e) What is computer peripheral

(1 marks)