



THE MOMBASA POLYTECHNIC UNIVERSITY COLLEGE

(A Constituent College of JKUAT)

(A Centre of Excellence)

Faculty of Applied & Health Sciences

DEPARTMENT OF MEDICAL SCIENCES

**UNIVERSITY EXAMINATION FOR:
BACHELOR OF MEDICAL LABORATORY SCIENCES (BMLS)**

EIT 4101: INTRODUCTION TO I.T

END OF SEMESTER EXAMINATION

SERIES: DECEMBER 2012

TIME: 2 HOURS

Instructions to Candidates:

You should have the following for this examination

- *Answer Booklet*

This paper consist of **FIVE** questions

Answer question **ONE (COMPULSORY)** 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) Differentiate between input and output devices giving **FIVE** examples of each. **(5 marks)**
- b) State and explain the **THREE** types of database. **(6 marks)**
- c) Computers can be classified in many different ways by size, by function, and/or by processing capacity. Explain each. **(3 marks)**
- d) State and explain advantages and disadvantages of internet. **(10 marks)**
- e) Differentiate between the following: **(6 marks)**
 - (i) Data and Information
 - (ii) Utility program and software Development tools
 - (iii) Magnetic disk drive and optical disk drive

Question Two

- a) Differentiate between system software and application software, giving examples in each. (6 marks)
- b) Mention some of the misuse of computer in the society. (4 marks)
- c) State some of the reasons why we study database. (3 marks)
- d) State and explain how computers are being used in our society. (7 marks)

Question Three

- a) State and explain the advantages and disadvantages of a computer. (9 marks)
- b) State and explain the **FOUR** operating system installation methods. (8 marks)
- c) What should you consider when choosing an operating system? (3 marks)

Question Four

- a) What is a network? (2 marks)
- b) State and explain the different parts of a network. (10 marks)
- c) Computers of all sizes have common characteristics
Speed, reliability, storage capacity and productivity. Explain each. (8 marks)

Question Five

- a) What is data processing (2 marks)
- b) Discuss the **FIVE** generations of a computer. (12 marks)
- c) There are some actions that you can perform on database that would be difficult in spreadsheet, mention them. (4 marks)
- d) Mention some of the **THREE** types of operating system in the market. (2 marks)