THE MOMBASA POLYTECHNIC UNIVERSITY COLLEGE

(A Constituent College of JKUAT)

(A Centre of Excellence)

Faculty of Engineering & Technology

DEPARTMENT OF BUILDING & CIVIL ENGINEERING

CERTIFICATE IN CONSTRUCTION TECHNICIAN

EIT 1101: INTRODUCTION TO COMPUTER SCIENCE

SPECIAL/SUPPLEMENTARY EXAMINATION
SERIES: OCTOBER 2012
TIME: 2 HOURS

Instructions to Candidates:
You should have the following for this examination
- *Answer Booklet*

- *Scientific Calculator*

This paper consists of **FIVE** questions. Answer any **THREE** questions
Maximum marks for each part of a question are as shown
This paper consists of **THREE** printed pages

Question One (20 Marks)

a) Name **FOUR** types of computers. **(4 marks)**

b) List the basic elements of a computer. **(4 marks)**

c) Explain the functions of
    i) Monitor
    ii) Keyboard
    iii) CPU
    iv) Arithmetic Logic Unit **(8 marks)**

d) Define Computer. **(2 marks)**

e) Outline the advantages of secondary storage. **(2 marks)**

Question Two (20 Marks)

a) Explain the various methods of data processing. **(8 marks)**

b) Describe method of data entry in a computer. **(4 marks)**

c) Describe the methods of file manipulation. **(8 marks)**

Question Three (20 Marks)

a) State and explain Data Collection Method. **(10 marks)**

b) Explain **FIVE** data processing modes. **(10 marks)**

Question Four (20 Marks)

a) What is a computer operating system?

b) Describe the function of computer operating system

c) Describe types of computer operating system.

Question Five (20 Marks)

a) Name the computer generation **(5 marks)**

b) What features were associated with any two computer generation? **(7 marks)**

c) Explain development of terms of weight. **(8 marks)**