



THE MOMBASA POLYTECHNIC UNIVERSITY COLLEGE

(A Constituent College of Jkuat)

Faculty of Engineering and Technology

DEPARTMENT OF BUILDING AND CIVIL ENGINEERING

CERTIFCATE IN CONSTRUCTION (PART I)

EIT 1101: INTRODUCTION TO COMPUTER SCIENCE

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 consists of **FIVE** questions
Answer 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

SECTION A (COMPULSORY)

Question 1

a) Briefly explain the term 'operating mode of a computer'	(10 marks)
b) Convert the following numbers into their respective basses: (i) 2230 to base 2 (ii) 1104 to base 3 (iii) 2150 to base 4 (iv) 6130 to base 8	(10 marks)
SECTION B (Answer any TWO questions from this section)	
Question 2	
a) State FIVE causes of virus attack on computers	(5 marks)
b) Briefly describe classification of computers based on sizes	(8 marks)
c) Explain briefly method of detail hitching by a hardware system	(7 marks)
Question 3	
a) Define booting	(2 marks)
b) State: (i) Two kinds of computers (ii) FOUR types of system software	(3 marks)
 c) Briefly explain the following: (i) Computer storage (ii) Difference between cold and warm booting 	(15 marks)
Question 4	
a) Briefly describe the evaluation of an operating system	(10 marks)
b) Convert the following numbers in respective bases to their natural numbers (i) 1000100_2 (ii) 110111_2 (iii) 1010101_2 (iv) 1001001_2	(10 marks)
Question 5	
a) Briefly explain FIVE functions of an operating system	(10 marks)
b) Briefly illustrate any FOUR commands applied when using Microsoft word	(10 marks)