



THE MOMBASA POLYTECHNIC UNIVERSITY COLLEGE

(A Constituent College of JKUAT)

Faculty of Engineering & Technology

DEPARTMENT OF COMPUTER SCIENCE & INFORMATION TECHNOLOGY

BACHELOR OF ENGINEERING IN BUILDING & CIVIL ENGINEERING BACHELOR OF SCIENCE IN CIVIL ENGINEERING

EIT 4101: FUNDAMENTALS OF COMPUTING

SPECIAL/SUPPLEMENTARY EXAMINATION SERIES: MAY/JUNE 2012 TIME: 2 HOURS

Instructions to Candidates:

You should have the following for this examination - Answer Booklet This paper consist of **FIVE** questions Answer any **THREE** questions. Question **ONE** is Compulsory Maximum marks for each part of a question are as shown This paper consists of **TWO** printed pages

SECTION A (Compulsory - 30 marks)

Question One (30 Marks)

a)	i) Hardware	
	ii) Software iii) Formatting iv) ALU	(8 marks)
b)	State THREE examples of each of the following hardware i) Input devices	
c)	ii) Output devicesiii) MemoryExplain the difference between the following	(9 marks)
C	i) A workbook and a worksheet in Ms Excelii) Bit an byte	(8 marks)
d)	Perform the following conversions i) 210_{10} to Binary ii) 1101001101_2 to Decimal	(5 marks)

SECTION B (Answer any TWO questions – 40 Marks)

Question Two (20 marks)

a)	ICT has increased the choice of career opportunities globally. Identify and briefly exICT career opportunities in your country.	plain four (8 marks)	
b)	Define the term information technology	(2 marks)	
c)	State FOUR advantages of computers	(4 marks)	
d)	List the major elements of a computer system	(6 marks)	
Question Three (20 marks)			
a)	Explain the meaning of the following termsi) Form factorii) Virtual memoryiii) Firmware	(6 marks)	
b)	Flash disks have become the storage media of choice today as opposed to flop	py diskettes.	
	Describe FOUR characteristics of the flash disk that make it to be preferred to	o the floppy	
c)	diskette. Operating systems can be classified on the basis of user interface. Describe any TWO	(4 marks) O types	
d)	Explain the classification of computer software giving examples	(6 marks) (4 marks)	
Question Four (20 marks)			
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_	As a student was working on her computer, the mouse failed before she could comple assignment. State the keyboard keys she could use to perform the following tasks: i) Place data from a clipboard to a document ii) Save the current document	ete her	
_	As a student was working on her computer, the mouse failed before she could comple assignment. State the keyboard keys she could use to perform the following tasks: i) Place data from a clipboard to a document	ete her (4 marks)	
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a)	 As a student was working on her computer, the mouse failed before she could compleasignment. State the keyboard keys she could use to perform the following tasks: Place data from a clipboard to a document Save the current document Terminate an application that is not responding Switch between running programs. State the precautionary measures one should take before: connecting to the internet; a 	(4 marks) allowing (4 marks)	
a) b)	 As a student was working on her computer, the mouse failed before she could compleassignment. State the keyboard keys she could use to perform the following tasks: Place data from a clipboard to a document Save the current document Terminate an application that is not responding Switch between running programs. State the precautionary measures one should take before: connecting to the internet; a other people to use your computer; or share files with others. Microsoft Office is a commercial office suite of inter-related desktop applications. B 	(4 marks) allowing (4 marks) sriefly	
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