KIBABII UNIVERSITY COLLEGE

(A Constituent College of MasindeMuliro University of Science Technology)
P.O. Box 1699-50200 Bungoma, Kenya
Tel. 020-2028660/0708-085934/0734-831729
E-mail: enquiries@kibabiiuniversity.ac.ke

UNIVERSITY REGULAR EXAMINATIONS

2013 /2014 ACADEMIC YEAR

1ST YEAR 1ST SEMESTER EXAMINATIONS

SPECIAL/SUPPLEMENTARY EXAMINATION

BACHELOR OF COMMERCE, EDUCATION, COMPUTER SCIENCE

& INFORMATION TECHNOLOGY

COURSE CODE: CSC 110

COURSE TITLE: FUNDAMENTALS OF COMPUTING

DATE: 29th October, 2014   **TIME:** 9.00 a.m-11.00.a.m

_____

INSTRUCTIONS TO CANDIDATES:

Attempt question **ONE (1)** and **ANY TWO (2)** other questions from section B.

Paper I

Question 1

a) What are the advantages and limitations of multiprocessing?

(6 Marks)

b) What is an analog computer and how is it different from a digital computer?

(6 Marks)

c) Explain THREE main factors that impact on a computer's performance

(6 Marks)

d) List SEVEN differences between magnetic tapes and magnetic disks

(7 Marks)

e) List down FIVE major operations or functions performed by computers irrespective of their size and make.

(5 Marks)

Question 2

Draw a block diagram to illustrate the basic organization of a computer system and explain its various components and functional units

(20 Marks)

Question 3

How can you classify storage devices? What are its different types elaborate?

(20 Marks)

Question 4

a) Computers very widely in terms of their size and purpose they serve.

Classify computers on the basis of the

   i. operating principles

    ii.   basis of Size

(8 Marks)

b) Computer is, no doubt, a marvelous tool. Yet it has some limitations. Explain THREE major limitations of computer

(6 Marks)

Question 5

Describe FIVE security measures an organizations needs to put in place certain safeguards for protecting their computer and information resources against unauthorized access, disasters and system failure.

(20 Marks)