



THE CATHOLIC UNIVERSITY OF EASTERN AFRICA

A. M. E. C. E. A

MAIN EXAMINATION

P.O. Box 62157
00200 Nairobi - KENYA
Telephone: 891601-6
Fax: 254-20-891084
E-mail: academics@cuea.edu

AUGUST – DECEMBER 2016 TRIMESTER

FACULTY OF SCIENCE

DEPARTMENT OF LIBRARY AND INFORMATION SCIENCE

EVENING PROGRAMME

LIS 103: BASIC COMPUTING

Date: DECEMBER 2016

Duration: 2 Hours

INSTRUCTIONS: Answer Question ONE and any other TWO Questions

- Q1. a) Explain what is a computer? **(3 marks)**
- b) Differentiate between Hardware and Software and give two examples of each **(6 marks)**
- c) Explain what an Operating system is and state its function **(4marks)**
- d) What is application software? Give three examples of application software **(5 marks)**
- e) List and explain the FOUR major parts that make up the Computer System **(8 marks)**
- f) With the help of a Diagram explain what is Information processing cycle? **(4 marks)**
- Q2. a) Explain the TWO basic types of monitors that are used with microcomputers **(8 marks)**
- b) With the help of a diagram explain what software is? **(6 marks)**
- c) Explain what the following are:-
i) System software
ii) Application software **(6 marks)**

- Q3. a) List and explain the TWO major Low level languages used **(4 marks)**
- b) Differentiate between a LAN and WAN **(4 marks)**
- c) Outline the major uses of the Network **(6 marks)**
- d) Explain what are the following terms in basic computing **(6 marks)**
- i) MODEM
 - ii) Automated Systems
 - iii) Design Systems
- Q4. a) Outline the values of Backing up information **(5 marks)**
- b) List and explain FIVE things that the computer does not like **(5 marks)**
- c) Explain what a computer Virus is **(2 marks)**
- d) Explain how computer Viruses infect computers **(3 marks)**
- e) Outline how one can prevent the virus damage **(5 marks)**
- Q5. a) List and explain the FOUR major number systems in computing **(8 marks)**
- b) Convert the following **(12 marks)**
- i) 0111001001101_2 to Octal
 - ii) Convert 111010011_2 to hex.
 - iii) 2310 to binary

END

