

**UGANDA MARTYRS**



**UNIVERSITY**

**NGETTA CAMPUS  
FACULTY OF AGRICULTURE**

**BACHELOR OF ARTS WITH EDUCATION**

**COURSE CODE: CSC1101 INTRODUCTION TO COMPUTER SCIENCE AND IT**

**FINAL ASSESSMENT**

**ACADEMIC YEAR 2023/2024 SEMESTER ONE**

**BAED I**

**DATE: 4<sup>TH</sup>/DEC/2023**

**TIME ALLOWED: 3 HOURS (2:00PM-5:00PM)**

**INSTRUCTIONS:**

- *Attempt any four questions*
  - *All questions carry equal marks*
  - *Start every question on a new page*
  - *Do not write anything on the question paper*
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**Question One**

a) Explain the following terms used in ICT

i. Data (2 marks)

ii. Information (2 marks)

iii. Program (2 marks)

iv. Keyboard (2 marks)

v. Mouse (2 marks)

b) Discuss the importance and limitations of computer in a society (15 marks)

**Question Two**

Distinguish between the following terms used in ICT

- a) Virus and Antivirus (5 marks)
- b) Cold Booting and Warm Booting (5 marks)
- c) Primary memory and Secondary Memory (5 marks)
- d) Single user and Multi user (5 marks)
- e) Input device and Output device (5 marks)

### **Question Three**

- a) Draw a well label diagram showing the anatomy (block diagram) of a computer and explain the functions of each part labelled (10 marks)
- b) Explain the importance's of computer in each of the following field (15 marks)
  - i. Education (3marks)
  - ii. Business (3marks)
  - iii. Health (3marks)
  - iv. Entertainment (3marks)
  - v. Politics and government (3marks)

### **Question Four**

- a) Explain the advantages and disadvantages of computer network (10 marks)
- b) Discuss the various types of computer networks (15 marks)

### **Question Five**

- a) As an ICT student at Uganda Martyrs University Ngetta campus, assuming you were ask by a fellow student at the campus to educate them about hardware and software. How would you explain to them about the difference between software and hardware (5 marks)
- b) Uganda Martyrs University Ngetta campus is planning to have a career day for first year student about the importance of taking ICT as a compulsory course unit. 200 year one students will assemble in Lecture room 1, which has power supply. The careers teachers will share pictures and videos various course units which needs the use of ICT . Advice the career teacher

regarding which computer hardware devices will be needed and how they will be used to support the presentation. (20 marks)

### **Question Six**

a) It has been noted that for a normal functioning of computers, Utility programs plays an important role in the functionality of today's computer. Assuming you were ask to give a presentation on the various types of utility programs used in computers. How would you go about it.? (15 marks)

b) Mr. Mark is a businessman in Lira City dealing in second hand clothing. This year 2023, Mr. Mark business expanded and this motivated him to buy a computer to help him in running his second hand clothing business. What advice would you give him before he buys software necessary for his computer? (10 marks)

### **Question Seven**

The chairperson LC five in your district wants to buy computers for the councils members in the district, assuming you have been contacted by the chairperson to give an advice on the different classes of computers by that do exist in the world today.

a) Explain the different classification of computer by size you would presents to LC5 Chairperson (20 marks)

b) How would differentiate between analogue computers, digital computers and hybrid categories of computers to LC 5 Chairperson (5 marks)

### **Question Eight**

a) Explain the factors consider when setting up a computer network in computer Laboratory (10 marks)

d) With the help of a diagram discuss the various types of network topologies used in computer (15 marks)

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