



# **MAASAI MARA UNIVERSITY**

**REGULAR UNIVERSITY EXAMINATIONS**

**2023/2024 ACADEMIC YEAR**

**FIRST YEAR FIRST SEMESTER**

**SCHOOL OF ARTS, HUMANITIES, SOCIAL  
SCIENCES AND CREATIVE INDUSTRIES  
DIPLOMA IN CRIMINOLOGY AND PENOLOGY**

**COURSE CODE: CRM 104**

**COURSE TITLE: COMPUTER APPLICATIONS**

**DATE: 29/1/2024**

**TIME: 1100-1300 HRS**

---

**INSTRUCTIONS TO CANDIDATES**

Answer Question ONE and any other TWO questions

*This paper consists of THREE printed pages. Please turn over.*

## **SECTION A: COMPULSORY [30 MARKS]**

1. Define the term **Program Counter** as a sub unit in Arithmetic and Logic Unit. **[2 marks]**
2. List three input and three output devices in relation to computers. **[3 marks]**
3. Define the term **computer network**. **[2 marks]**
4. Distinguish term “**bit**” and a “**byte**”. **[2 marks]**
5. Give two reasons why an operating system must evolve over time. **[4 marks]**
6. Highlight five benefits of **cloud storage**. **[5 marks]**
7. Outline four reasons why Read Only Memory (**ROM**) is preferred for storing firmware. **[4 marks]**
8. State Two ways in which an operating system acts as a resource manager. **[2 marks]**
9. Briefly explain three types of software found in a computer system. **[6 marks]**

## **SECTION: B Answer Any TWO Questions**

### **QUESTION TWO**

- a) Draw a CPU block diagram / architecture and briefly explain the function of each section. **[15 marks]**
- b) Explain five disadvantages of using computer systems. **[5 marks]**

### **QUESTION THREE**

- a) Necessity is the mother of invention. Discuss the evolution of computers **[12 marks]**
- b) Consider the second generation of computers and discuss them, citing the characteristics and technology used. **[5 marks]**
- c) State THREE benefits of the internet. **[3 mks]**

### **QUESTION FOUR**

- a) Discuss the five characteristics of computer systems. **[10 marks]**
- b) State Four advantages and disadvantages of using computer systems. **[8 marks]**
- c) Explain what you understand by the term processor and explain two common types **[2 marks]**

/END/