



MAASAI MARA UNIVERSITY

REGULAR UNIVERSITY EXAMINATIONS

2023/2024 ACADEMIC YEAR

FIRST YEAR SECOND SEMESTER

SCHOOL OF ARTS, HUMANITIES, SOCIAL

SCIENCES AND CREATIVE INDUSTRIES

DIPLOMA IN CRIMINOLOGY

COURSE CODE: CRM 104

COURSE TITLE: COMPUTER APPLICATIONS

DATE: 29/5/2024

TIME: 0830-1030 HRS

Instructions:

Answer ALL questions from section A and **Three** other questions from section B. The marks given in brackets are indicative of the weight given to each part of the question

SECTION A: COMPULSORY

[25 MARKS]

1. Define the term **computer network**. **[2 marks]**
2. List Two input and Two output devices in relation to computers. **[2 marks]**
3. Distinguish term “**bit**” and a “**byte**”. **[2 marks]**
4. Give two reasons why an operating system must evolve over time. **[4 marks]**
5. When creating user accounts on a computer network, which factor is typically used for authentication? **[2 marks]**
6. Outline four reasons why Read Only Memory (**ROM**) is preferred for storing firmware. **[4 marks]**
7. Briefly explain three types of software found in a computer system. **[6 marks]**
8. State and explain three sub units used in Arithmetic and Logic Unit **[3 marks]**

SECTION: B ANSWER ANY THREE QUESTIONS

QUESTION TWO

[15 marks]

- a) An upcoming organization uses a lot of files in keeping records; the organization wants to break down the paperwork and automate the basic routine jobs by interconnecting computers in the organization.
 - i. What will be the advantages of using the computer to network the organization? **[10 marks]**
 - ii. What will be the disadvantage of using the computer in the organization? **(5 marks)**

QUESTION THREE

[15 marks]

- a) Explain the impact of computer systems and technology in **[10 marks]**

- i. Health Sector
- ii. Marketing, Communication and research

- b) Dictor a student at Mmarau was asked by his Lecturer to “identify and classify five type of computers”, Explain how they will solve the problem? **[5 marks]**

QUESTION FOUR

[15 marks]

- a) Give a brief description of the FIVE generations of computers and highlight their major difference and advantages. **[10 marks]**
- b) Discuss the five characteristics of computer systems. **[5 marks]**
- QUESTION FIVE** **[15 marks]**

- a) The primary purpose of an operating system is to maximize the productivity of a computer system by operating it in the most efficient manner.
- i. Discuss the five basic functions of an Operating System. **[10 marks]**
 - ii. Explain five factors that affect the speed of the computer. **[5 marks]**

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