MAASAI MARA UNIVERSITY

REGULAR UNIVERSITY EXAMINATIONS

2023/2024 ACADEMIC YEAR

YEAR ONE SEMESTER TWO

SCHOOL OF ARTS, HUMANITIES, SOCIAL SCIENCES AND CREATIVE INDUSTRIES

DIPLOMA IN SOCIAL WORK

COURSE CODE: DSS 1200

COURSE TITLE: COMPUTER APPLICATIONS

DATE:21/5/24   **TIME: 1100-1300HRS**

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 "**application software**"   **[2 marks]**
1. Define the following terms as used in computing environment
                                                                [5 marks]

   a) Computer
   b) Data
   c) Information
   d) Processing
   e) Web browser

2. Define the term **computer network**.   **[2 marks]**
3. Describe the sequence of steps taken to start up your computer.
        [2 marks]
2. Write the following acronyms in full and give example of it.   **[4 marks]**
   a) URL
   b) www
4. Briefly explain **Two** types of software found in a computer system.
                                                                [6 marks]
5. Give **Two** reasons why an operating system must evolve over time.
                                                                [4 marks]

SECTION: B ANSWER ANY THREE QUESTIONS

QUESTION TWO   **[15 marks]**

a) Purity and Simon have each bought a computer labeled Computer A and B respectively, with the following specifications:

Computer A	Computer B
128 Flash Drive	512GB Hard Drive
16GMB RAM	8GB RAM
150DPI Screen	225DPI Screen
15 inch screen	13 inch screen

   Required:

Assuming that the cost of two computers are the same, list **TWO** strengths of computer A and **TWO** strengths of computer B, describing the impact of each strength.   **[4 marks]**

b) Explain **THREE** ways of protecting yourself from identity theft.
                                                                [3 marks]

c) Highlight **TWO** activities that the operating system executes in relation to process management. **[2 marks]**

d) Highlight **THREE** ethical and three societal issues to the development and use of information technology. **[6 marks]**

QUESTION THREE [15 marks]

a) Draw a CPU block diagram / architecture and briefly explain the function of each section. **[10 marks]**

b) Highlight FIVE benefits of cloud storage. **[5 marks]**

QUESTION FOUR [15 marks]

a) Necessity is the mother of invention. Discuss the evolution of computers **[10 marks]**

b) Consider the second generation of computers and discuss them, citing the characteristics and technology used. **[5 marks]**

QUESTION FIVE [15 marks]

a) Discuss the five characteristics of computer systems. **[10 marks]**

b) Explain what you understand by the term processor and explain two common types

[5 marks]

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