



**AMREF INTERNATIONAL UNIVERSITY  
SCHOOL OF PUBLIC HEALTH  
DEPARTMENT OF COMMUNITY HEALTH  
HIGHER DIPLOMA IN COMMUNITY HEALTH PRACTICE  
END OF SEPTEMBER -DECEMBER TRIMESTER EXAMINATIONS 202**

**DCHP 112: INFORMATION TECHNOLOGY**

**Date: 5<sup>th</sup> December 2022**

**Time: 2 hours**

**Start: 9.00 AM**

**Stop: 11.00 AM**

**INSTRUCTIONS**

1. This exam is marked out of 60 marks
2. This Examination comprises TWO Sections
3. **Section A:** Compulsory Question (20 Marks)
4. **Section B:** Long Answer Questions (40 Marks)
5. All questions in Section A are compulsory and Answer any TWO questions in Section B
6. Do not write on the question paper. Use the back of the answer booklet for any rough work

**SECTION A:**

**SHORT ANSWER QUESTIONS. (20 Marks)**

**Question One**

a) Differentiate between the following computing terms (10 Marks)

- Data and Information
- Hardware and Software
- Primary and Secondary Memory
- WAN and LAN
- CU and ALU

b) Outline two types of Computer Software (4 Marks)

c) A computer is designed to execute applications and provide a variety of solutions through integrated hardware and software components.

d) With the aid of a diagram outline how computer components interact to carry out a task

(6 Marks)

## SECTION B:

### ANSWER ANY TWO QUESTIONS (40 MARKS)

#### Question 2

- a) By use of diagrams explain FOUR network topologies. (10 Marks)
- b) Discuss the FIVE components that must come together to make an information system (10 Marks)

#### Question 3

a) Computer shortcut keys provide an easier way of navigating and performing commands in computer software. The use of shortcut keys is beneficial for computer users, as it allows them to complete tasks accurately and in less time. Describe the following shortcut keys (10 Marks)

- Shift+ Insert
- Ctrl+End
- Winkey+down arrow
- Alt+F4
- Alt+tab

b) i) Define Application Software (2 Marks)

ii) Discuss FOUR types of Microsoft Office Application Software available (8 Marks)

#### Question 4

- a) Explain Two reasons you would recommend computer use in community health (4 Marks)
- b) Explain THREE areas where computer is applied in the modern information society (6 Marks)
- c) Highlight FOUR computer virus and Malware (4 Marks)
- d) Discuss THREE tips for preventing these viruses and malware (6 Marks)