



**AMREF INTERNATIONAL UNIVERSITY**  
**SCHOOL OF PUBLIC HEALTH**  
**BACHELOR OF SCIENCE IN COMMUNITY HEALTH, HEALTH SYSTEMS,**  
**PHYSIOTHERAPY AND NURSING.**  
**END OF SEMESTER EXAMINATION DECEMBER 2023**

**UNIT CODE:** AIU 113

**DATE:** 14 DECEMBER 2023

**TIME:** **TWO Hours** **Start: 4.15 PM** **Finish 6.15 PM**

**INSTRUCTIONS**

1. This exam is marked out of 70 marks
2. This Examination comprises TWO Sections  
**Section A:** Compulsory Question (30 marks)  
**Section B:** Long Answer Questions (70 marks)

**SECTION A: COMPULSORY (30 Marks)**

**Question One**

1. Match the terms in Column A with their corresponding definitions or explanations in Column B. (5marks)

**Column A: ICT Terminologies**

- Firewall
- URL
- RAM
- Browser
- Encryption

**Column B: Definitions/Explanations**

A. A software program that allows you to access and view web pages on the internet.

B. A security measure that protects a network by monitoring and controlling incoming and outgoing network traffic.

C. A method of securing data by converting it into a code to prevent unauthorized access.

D. A type of computer memory that provides high-speed data access to a computer and stores data that is actively being used.

E. A web address that specifies the location of a resource on the internet.

Encryption -

<b>Column A</b>	<b>Column B</b>
Firewall -	
URL -	
RAM -	
Browser -	
Encryption -	

2. Match the following file extensions to their respective file types(5Marks)

PDF  
JPEG  
DOCX  
MP3  
HTML

Image file  
Audio file  
Web page  
Portable Document  
Format

Column A	Column B
PDF	
JPEG DOCX	
MP3	
HTML	

3. With the use of an example, highlight the components of an email address (6 Marks)
4. Distinguish between the terms software and hardware as used in ICT (4 Marks)
5. Differentiate between the following computing terms:
  - i. Volatile and Non-Volatile Memory (2 Marks)
  - ii. Topology and Protocol (2Marks)
  - iii. Primary and Secondary Memory (2 Marks)
  - iv. CPU and System Unit (2 Marks)
  - v. Open source and proprietary software(2marks)

**SECTION B: Long Answer Questions (LAQs), choose any TWO questions (40 marks)**

6. Computer programs manage the “behind the scenes” operations of a computer. With this statement in mind, answer the following questions:
  - a) System software is one of the categories of computer software. With the use of examples, explain any two types of system software (5 Marks)
  - b) With the use of examples, explain any five general purpose application software that can be used in an office setup (15 Marks)
7. Excessive use of ICT poses certain health hazards. Discuss five possible health problems associated with excessive ICT use (20 Marks).
8. Discuss five impacts of Information and Communication Technology (ICT) on health care/services (20Marks)