



AMREF INTERNATIONAL UNIVERSITY
SCHOOL OF PUBLIC HEALTH
DEPARTMENT OF HEALTH SYSTEM AND DEVELOPMENT
BACHELOR OF SCIENCE IN HEALTH SYSTEM AND DEVELOPMENT
END OF SEMESTER EXAMINATION APRIL 2024

UNIT CODE: AIU113

UNIT NAME: INFORMATION COMMUNICATION TECHNOLOGY

DATE: April 2024

TIME: TWO Hours

Start:

Finish

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

- a) Define "Firewall" in the context of computer security. (2 Marks)
- b) Highlight the term "Bandwidth" in relation to internet connectivity. (2 Marks)
- c) Define "URL" and provide an example. (2Marks)
- d) State the purpose of a "Router" in a computer network? (2marks)
- e) Define "Cloud Computing" and provide one advantage of using cloud services (2Marks)
- f) Differentiate the difference between "RAM" and "ROM" in computer memory (3Marks)
- g) Define "Malware" and give an example of a type of malware (2Marks)
- h) State what "HTML" stand for, and its role in web development? (2Marks)
- i) Define "Encryption" in the context of data security (2Marks)
- j) Define "Spreadsheet" and provide an example of a spreadsheet software. (2Marks)
- k) State the function of the "Formula Bar" in spreadsheet applications? (2Marks)
- l) Define "Cell Formatting" in the context of a spreadsheet. Provide at least two examples. (2Marks)
- m) State the difference between "Save" and "Save As" in word processing software (2Marks)
- n) Define "Presentation Software" and provide an example. Mention one key feature of presentation software (3Marks)

SECTION B: ANSWER ANY TWO (2) QUESTIONS (40 Marks)

Long Answer Questions

QUESTION TWO

Examine five applications of telemedicine on prevention of Non-Communicable Diseases giving relevant examples. (20 Marks)

QUESTION THREE

Discuss five ethical considerations in the use of ICT in health sector. (20 Marks)

QUESTION FOUR

Discuss the historical development of ICT and demonstrate how it has influenced health care delivery in the developing world. (20 Marks)