



UNIVERSITY EXAMINATIONS

SECOND SEMESTER 2023/2024 ACADEMIC YEAR

**FIRST YEAR EXAMINATION FOR THE DEGREE OF
BACHELOR OF SCIENCE BMED, BSC (GENERAL)
BACHELOR OF EDUCATION (SCIENCE/ARTS)
ECONSTAT, AGED AND BCOM**

COMP 111: INTRODUCTION TO COMPUTER APPLICATIONS

STREAM: R

TIME: 2 HRS

DAY: MONDAY[2.30 – 4.30 P.M]

DATE: 08/04/2024

THIS QUESTION PAPER CONSISTS OF THREE (3) PAGES

PLEASE DO NOT OPEN UNTIL THE INVIGILATOR SAYS SO.



Instructions:

1. Answer question ONE (compulsory) and any other TWO
2. Begin each question on a new page

QUESTION ONE (30 MARKS)

- a) Differentiate between hardware and software. Give one example of each [4 Marks]
- b) Explain **TWO** qualities of good information [4 Marks]
- c) Outline **TWO** ways in which a user may input data into a computer [2 Marks]
- d) Give **TWO** differences between primary storage and secondary storage [4 Marks]
- e) Describe the technology used by the first generation computers [4 Marks]
- f) Explain the **TWO** main types of software [4 Marks]
- g) Give one reason why maintaining data security is important [2 Marks]
- h) Explain how a computer network functions [4 Marks]
- i) Define the Internet [2 Marks]

QUESTION TWO (20 MARKS)

- a) Describe the steps followed by a computer when booting up [8 Marks]
- b) Explain **THREE** output devices [6 Marks]
- c) Differentiate between sequential and random access modes. Give one example of each. [6 Marks]

QUESTION THREE (20 MARKS)

- a) Discuss how computers may be categorized by size [8 Marks]
- b) Describe any **THREE** functions of an operating system [6 Marks]
- c) Explain any **THREE** control measures that may be taken against unauthorized access of data [6 Marks]



QUESTION FOUR (20 MARKS)

- a) With the aid of diagrams, explain any **TWO** types of network topologies [6 Marks]
- b) Discuss any **THREE** services offered through the Internet [6 Marks]
- c) Explain any **FOUR** components of a computer information system [8 Marks]

QUESTION FIVE (20 MARKS)

- a) Discuss any **FOUR** social implications of the Internet [8 Marks]
- b) The following are part of the specifications for a computer. Explain what they mean:
Core i5 3317U/1.7 GHz - 4 GB RAM - 128 GB SSD [6 Marks]
- c) Describe any **THREE** disadvantages of buying off-the-shelf software [6 Marks]

