



**JARAMOGI OGINGA ODINGA UNIVERSITY
OF SCIENCE AND TECHNOLOGY
SCHOOL OF INFORMATICS AND INNOVATIVE
SYSTEM
DIPLOMA IN LINUX ENGINEERING
YEAR 1ST SEMESTER 1
SEPTEMBER/DECEMBER 2022
ACADEMIC YEAR
KISUMU CAMPUS**

COURSE CODE: ICT 2111

COURSE TITLE: INTRODUCTION TO COMPUTER APPLICATIONS

EXAM VENUE: STREAM

DATE: EXAM SESSION

TIME: 2HOURS

INSTRUCTIONS

- 1. Answer question **ONE (compulsory)** and any other **Two** questions.*
- 2. Candidates are advised not to write on the question paper*
- 3. Candidates must hand in their answer booklet to the invigilator while in the examination room*
- 4. The paper consists of three printed pages.*

Question one (30marks)

- a. Define the term computer (2marks)
- b. Explain four characteristics of a computer (8marks)
- c. Define the following terms
 - I. Booting (2marks)
 - II. Double clicking (2marks)
 - III. Computer laboratory (2marks)
 - IV. Data (1mark)
- d. Classify computers according to functionality (3marks)
- e. Define the term computer hardware (2marks)
- f. Explain four pointing devices used in computing (8marks)

Question two (20marks)

- a. Define computer system (2marks)
- b. Give three components of computer system (3marks)
- c. Write the acronym in full
 - I. UPC (1mark)
 - II. OCR (1mark)
 - III. POST (1mark)
 - IV. BIOS (1 mark)
- d. Give four differences between ROM and RAM stating two examples in each case (8marks)
- e. Differentiate between DVD and CD-ROM (3marks)

Question three (20marks)

- a. Define term operating system and give two examples of OS (4marks)
- b. Explain six functions of operating system (12marks)
- c. Explain the term FIFO as used in operating system (2marks)
- d. Differentiate between a file and a folder (2marks)

Question four (20marks)

- a. Define the term artificial intelligency (2marks)
- b. Using an abacus, represent 5780 (4marks)
- c. Who developed the analytic engine? (2marks)
- d. Explain four safety precautions in computer lab that protect the user (8marks)
- e. Explain any two areas where computers are used (4marks)

Question five (20marks)

- a. Explain four negative effects of using a computer in an organization (8marks)
- b. With a well labelled diagram explain the three components of CPU (12marks)