



KISII UNIVERSITY
UNIVERSITY EXAMINATIONS

FIRST YEAR EXAMINATION FOR THE AWARD OF
CERTIFICATE IN INFORMATION TECHNOLOGY
FIRST SEMESTER, 2023/2024

(AUGUST-DECEMBER, 2023)

CIT 0100: INTRODUCTION TO INFORMATION TECHNOLOGY

STREAM: Y1 S1

TIME: 2 HOURS

DAY: TUESDAY, 12.00 – 2.00 PM

DATE: 28.11.2023

INSTRUCTIONS

- 1. Do not write anything on this question paper.***
- 2. Answer Question ONE [Compulsory] and any other TWO Questions***

Question one [30 marks]

- a) Define the following terms as used information technology:
- Computer ergonomics (2 marks)
 - System software (2 marks)
 - Output device (2 marks)
 - PROM (2 marks)
 - Information (2 marks)
- b) What is an Operating system? State any three types of operating systems (4 marks)
- c) Differentiate between these types of computers
- Specific purpose and General purpose computers (4 marks)
 - Digital computers and Hybrid computers (4 marks)
 - Mini and Micro Computers (4 marks)
- d) Give the characteristics of the third generation computers (4 marks)

Question two [20 marks]

- State any three ways in which computers can be classified (6 marks)
- Briefly discuss the functions of any five types of computer users. (5 marks)
- Discuss rules used in a computer laboratory (9 marks)

Question three [20 marks]

- a) Computer software can be classified into two broad categories, with examples, briefly discuss the two categories (8 marks)
- b) A digital computer is composed of five distinct elements, outline the elements (10 marks)
- c) What is an ICT System? (2 marks)

Question four [20 marks]

- a) Discuss any three functions of an operating system (6 marks)
- b) What are the difference between these types of memories, RAM and ROM? (8 marks)
- c) State three ways of preventing posture problems while using a computer (6 marks)

Question five [20 marks]

- a) Explain any five precautions to observe when using/ handling a magnetic storage device (10 marks)
- b) An organization of computer security experts came up with Ten Commandments to govern safe usage of computers, highlight them. (10 marks)