KISII UNIVERSITY
UNIVERSITY EXAMINATIONS
FIRST YEAR EXAMINATION FOR THE AWARD OF THE CERTIFICATE IN INFORMATION TECHNOLOGY

SECOND SEMESTER 2023/2024
[JAN – APRIL, 2024]

CIT 0106: ICT & SOCIETY

STREAM: Y1 S2   **TIME: 2 HOURS**

DAY: MONDAY, 3:00 - 5:00 P.M.   **DATE: 22/04/2024**

INSTRUCTIONS

1. *Do not write anything on this question paper.*
2. *Answer question ONE (Compulsory) and any other TWO questions.*

QUESTION ONE [30 MARKS]

1. Define the following terms
    a. Computer   (2 marks)
    b. Information   (2 marks)
    c. Data   (2 marks)
    d. Information system   (2 marks)
    e. Information technology   (2 marks)
2. Briefly discuss the following terms
    a. Analog computers   (2 marks)
    b. Digital computers   (2 marks)
3. Briefly discuss the three elements of a computer system   (6 marks)
4. Computer hardware refers to all the physical components of a computer, outline the five components that constitute a computer hardware   (10 marks)

QUESTION TWO [20 MARKS]
1. There have been different advancements of computer technology, briefly the four generations of computers   (8 marks)
2. What are the Difference between RAM and ROM? Give two differences (2 marks)
3. What is an output device? List any four of the common output devices
                                                        (10 marks)

QUESTION THREE [20 MARKS]
1. Computers usually assign special roles to certain registers, outline any three of the registers (6 marks)
2. Computer has ports or socket that allows you to plug in external devices, briefly discuss the four types of ports/sockets (8 marks)
3. What are the advantages of using computers in an organization? Outline any six advantages (6 marks)

QUESTION FOUR [20 marks]
1. Differentiate the following
   a. PROM and EPROM (4 marks)
   b. Virtual Memory and cache (4 marks)
2. What are the benefits of secondary storage? Outline four benefits (4 marks)
3. Outline the principal characteristics of a computer (3 marks)

QUESTION FIVE [20 MARKS]
1. Discuss any three classification of computers (9 marks)
2. A central processing unit is composed of two units, briefly discuss the components (6 marks)
3. What is the importance of ICT systems? Outline them (5 marks)