KISII UNIVERSITY
UNIVERSITY EXAMINATIONS
FIRST YEAR EXAMINATION FOR THE AWARD OF THE DEGREE OF BACHELOR OF SCIENCE IN APPLIED COMPUTER SCIENCE SECOND SEMESTER 2023/2024 [JAN – APRIL, 2024]

ACMP 101: INTRODUCTION TO INFORMATION TECHNOLOGY

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

DAY: TUESDAY, 3:00 - 5:00 P.M.   **DATE: 09/04/2024**

INSTRUCTIONS

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

QUESTION ONE
a) Giving an example in each case explain the classification of computers according to functionality   [6 marks]
b)   Explain briefly THREE output devices apart from printers   (3 marks)
c) Explain FIVE components of a network   [5 marks]
d) Discuss SIX factors that a buyer intending to acquire software should consider   [6 marks]
e) Computer hardware consists of electronic or electro-mechanical devices. Explain the major components of computer system   [10 marks]

QUESTION TWO

a) Explain FIVE reasons why an organization would choose to purchase software off-the-shelf rather than develop the software in-house? [10 marks]
b) Give the shortcut keys to performing the following   (5 marks)
c)Explain any FIVE types of auxiliary storage media in use today [5 marks]

QUESTION THREE

a) Hardware is a collection of machines which form complete computer system. With an aid of a diagram explain the organization of computer hardware
                                                                [10 marks]

b) Explain the following types of memories as used in computer hardware

- RAM   [2 marks]
- ROM   [3 marks]

c) Using an appropriate diagram discuss any TWO types of network topologies
                                                                          [5 marks]

QUESTION FOUR

a) Explain the following terms as used in networking   [3 marks]

   i)   Internet   [1mark]
   ii) Intranet   [1mark]
   iii) Extranet   [1mark]

b) Explain the major functions of an operating system   [8 marks]
c)Giving an example in each case explain any FIVE types of input devices
                                                                          [9 marks]

QUESTION FIVE
a) Explain briefly the following types of computer software

   i)   System software   [2 marks]
   ii) Application software   [2 marks]

b) Explain the following types of networks giving an example in each case

   i)   LAN   [2 marks]
   ii) WAN   [2 marks]

d)Discuss the impact of information technology to education industry [5mks]
e) Why would an organization choose to purchase software rather than
developing in-house   [7 marks]