



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

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

QUESTION TWO

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

QUESTION THREE

- 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]