

KISII UNIVERSITY

UNIVERSITY EXAMINATIONS

SCHOOL OF BUSINESS AND ECONOMICS

DEPARTMENT OF MANAGEMENT SCIENCE

SEPTEMBER – DECEMBER 2023 EXAMINATIONS

MAIN CAMPUS

ACMP 101: INTRODUCTION TO INFORMATION TECHNOLOGY

INSTRUCTIONS:

Question ONE is Compulsory, Answer any other TWO questions

Time: 2Hrs

QUESTION ONE

- a. Differentiate the following terminologies
 - i. Low Level and High Level Programming languages [2 Marks]
 - ii. Multitasking and Multi-User System [2 Marks]
- b. Describe the advantages of third generation over the 2nd generation computers [4 Marks]
- c. Convert 53_{10} to its binary equivalence [6 Marks]
- d. List and Explain the operating system interfaces [6 Marks]
- e. Discuss the negative impacts of computers to the society [10 Marks]

QUESTION TWO

- a. Differentiate the following terminologies
 - i. A function and formula [2 Marks]
 - ii. Worksheet and a Workbook [2 Marks]
- b. Differentiate between Batch and real-time processing [5 Marks]
- c. Using a diagram, illustrate the structure of a computer system [5 marks]
- d. List and explain the major categories of computer storage devices. [6 marks]

QUESTION THREE

- a. List and explain the roles of a computer network in organizations [5 Marks]
- b. As a computer specialist, your role is to advise the public on suitable and relevant computer resources, list and explain the hardware characteristics considered in selecting a suitable computer [5 Marks]
- c. Discuss the core functions of the operating system [10 marks]

QUESTION FOUR

- a. Explain the role of a wizard in a computing application [2 Marks]
- a. Outline the process of sending an attachment from a flash disk in a mail application [3 Marks]
- e. The following spreadsheet is a score sheet of pupils in a class, use it to answer the questions below

	A	B	C	D	E	F
1	Name	Test1	Test2	Test 3	Total mark	
2	Linda Paul	78	95	67	240	
3	Jame Loma	36	87	65	188	
4	Mark Too	56	78	46	180	
5	Alan Owala	67	34	76	177	
6	Ken Makori	23	57	35	115	
7	MEAN	52	70.2	57.8	180	

- i. Write down the formula to be inserted in cell E2. [1 Mark]
- ii. Write down the formula to be inserted in cell B7. [1 Mark]
- iii. Give the cell reference that contains 70.2 [1 Mark]
- iv. By which column has the table been sorted? [1 mark]
- v. What is the order of sorting? [1 mark]
- b. Discuss the historical developments of computers [10 Marks]

QUESTION FIVE

- a. Write DOS Commands to execute the following [4 Marks]
Change to the disk drive D and make a directory called PICTURES and then list (display) all the contents (files and subdirectories) in the directory PICTURES.
- b. Differentiate between analog and digital computer giving relevant examples [4 Marks]
- c. Describe various classifications of operating systems [6 Marks]
- d. List and explain the types of virus in computing [6 Marks]