KISII UNIVERSITY
UNIVERSITY EXAMINATIONS

**FIRST YEAR EXAMINATION FOR THE AWARD OF THE
DIPLOMA IN JOURNALISMA AND MASS COMMUNICATION& DIPLOMA IIN
INFORMATION TECHNOLOGY &
DIPLOMA IN ACCOUNTING AND FINANCE & DIPLOMA IN HUMAN
RESOURCE MANAGEMENT & DIPLOMA IN BUSINESS ADMINISTRATION &
DIPLOMA IN PUBLIC ADMINISTRATION & DIPLOMA INSOCIAL WORK**

DHRM 0143/ DBAD 0174/DIAF 0227/DAS 0102/COMP 0100/COMP 0110:
INTRODUCTION TO COMPUTER APPLICATIONS

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

QUESTION ONE

a) Explain the relationship between computer hardware and software.
(4marks)
b) Outline three functions of information technology to students. (3marks)
c) State five roles of information systems to organizations.   (5marks)
d) Outline four importance of secondary memory.   (4marks)
e) The operating system is the main system software. Explain four functions of the operating system.   (4marks)
f) Dominic, a web designer, developed a website for a company he works for, outline two uses the company would have for the site.   (2marks)
g) Distinguish between system and application software giving three examples in each and their functions.   (4 marks)
h) Give four differences between RAM and ROM.   (4marks)

QUESTION TWO

a) Define what is computer backup and explain reasons why it is of value.
(5marks)

b) A local company called for an annual meeting to deliberate on acquiring a new software for the company. Advise them on the qualities of a good software for them to purchase. (10marks)

c) Explain five reasons for using computers over other forms of processing. (5marks)

QUESTION THREE

a) You are the head of a given department that deals with procuring of products in a company. Explain five factors you will consider when purchasing computers for the company. (10marks)

b) Explain the circumstances and which the print options will be selected:
   i. Slides
   ii. Handouts.
   (4marks)

c) Explain your understanding of the following contemporary Information technology issues:
   i. Cyberbullying
   ii. Hacking
   iii. Digital divide (6marks)

QUESTION FOUR

a) Outline four benefits of Computer networks (4marks)

b) Distinguish between system and application software giving three examples in each and the functions they perform. (6marks)

c) Given an Excel sheet with data in the cells B1, B2, B3, B4 and B5.
   i. In cell B6, write a function to find the sum of the five cells.(2 marks)
   ii. In another cell B7, write a formula to find the average of the five cells. (2 marks)

d) Explain your understanding of computer databases and explain why they are important in the modern world. (6marks)

QUESTION FIVE

a) A series of breakthroughs have occurred in the computing world since the 1940's. Distinguish between the following computers:
   i. Fourth Generation and Second generation computers. (2marks)
   ii. Super computers and Personal computers (2marks)
   iii. Digital and Hybrid computers. (2marks)
   iv. General and specific purpose computers (2marks)

b) Define computer ergonomics and describe its relevance to users. (6marks)

c) Explain three applications of computers with examples. (6marks)