



**JARAMOGI OGINGA ODINGA UNIVERSITY
OF SCIENCE & TECHNOLOGY
UNIVERSITY EXAMINATIONS 2012/2013
2ND YEAR 2ND SEMESTER FOR DIPLOMA IN
LINUX FOR ENGINEERING AND IT APPLICATIONS
(KISUMU L.CENTRE)**

COURSE CODE: SCS 2111

TITLE: INFORMATION TECHNOLOGY

DATE: 15/8/13

TIME: 9:00 – 10.30 AM

DURATION: 1.30 HOURS

INSTRUCTIONS

- 1. This paper consists of 5 Questions.**
- 2. Answer Question 1 (Compulsory) and ANY other 2 questions.**
- 3. Write your answers on the answer booklet provided.**

Question one 30marks

A) The computer has evolved over time from large sized machines to miniaturized ones. What technology did the following generations use?

1st Generation. (2Mks)

2nd Generation . (2Mks)

B) What are the features of 1st generation computers. (2Mks)

C) How do you save a document in Ms. Word? (2Mks)

D) Define a browser. (2Mks)

E) Name an area in which spreadsheets can be used. (1Mk)

F) Define the following terms as used in computing.

G) Cache Memory. (2Mks)

H) Byte code . (2Mks)

I) Define a microcomputer and give an example. (2Mks)

J) In which area can a super computer be used. (1Mk)

K) Define the following terms.

L) Software. (1Mk)

M) Operating system. (1Mk)

N) In what ways are computers used in education. (2 Mks)

O) What is the difference between analogue and digital computers. (4 Mks)

P) What is the difference machine language and high level language. (4 Mks)

SECTION B

Question 2 20MARKS

a) Discuss how computers have revolutionized the business sector. (10 Mks)

b) The evolution of computers is categorized into 5 generations, briefly discuss each. (5 Mks)

c) Describe the functions of an operating system. (5 Mks)

Question 3 20MARKS

a) Using a diagram, describe the components of a computer system. (10 Mks)

b) Discuss the various ways in which computers can be classified. (5 Mks)

c) Describe the components of the CPU. (5 Mks)

Question 4 20MARKS

a) What are the unique characteristics that make a computer more powerful than other manual systems. (10Mks)

b) What are the security issues in computer usage with the advent of the Internet. (10 Mks)

Question 5 20MARKS

a) Discuss the social Implications of Information Communication Technology. (10 Mks)

b) Briefly discuss 3 types of computer networks. (10 Mks)