NATIONAL UNIVERSITY OF SCIENCE AND TECHNOLOGY
FACULTY OF APPLIED SCIENCE
COMPUTER SCIENCE DEPARTMENT
JULY SUPPLEMENTARY EXAMINATIONS 2005

SUBJECT: INTRODUCTION TO COMPUTER SCIENCE [Maths, radiography, physics and computers science]

CODE: SCS1101

INSTRUCTION TO CANDIDATES

Answer any five questions.

Time: 3 hours

QUESTION ONE

Two common types of computer memory are RAM and ROM. For both these types
i.	Describe them briefly and explain their function	[4]
ii.	State and describe their different types	[12]
iii.	Give examples of their application	[4]

QUESTION TWO

Outline the major milestones in the history and evolution of computers   [20]

QUESTION THREE

With regards to the c programming language
i.	Explain the purpose of a compiler and the tasks that it performs	[10]
ii.	State an example of an IDE and explain its main components	[10]

QUESTION FOUR
Two ways of accessing the Internet are either through a LAN or ISP. Write brief notes stating the different options available for both these methods   [20]

QUESTION FIVE
i.	Explain with the aid of code snippets in C, the different components of structured programming	[10]
ii.	What is the importance of declaring a variable	[2]
iii.	Describe 3 basic data types in c	[6]
iv.	What is an abstract data type	[2]

QUESTION SIX

i.   Describe the concept of a string in c with the aid of an example   [6]
ii. Describe the 3 components of a function header   [6]
iii. Write a function that will accept temperatures in degrees Fahrenheit as a parameter and return the equivalent temperature in degrees Celsius using the formula: C = 5/9(F-32)   [8]

END OF QUESTION PAPER