

**NATIONAL UNIVERSITY OF SCIENCE AND TECHNOLOGY
FACULTY OF APPLIED SCIENCE
COMPUTER SCIENCE DEPARTMENT
AUGUST SUPPLEMENTARY EXAMINATIONS 2004**

SUBJECT: INTRODUCTION TO COMPUTER SCIENCE
CODE: SCP 1101

INTRUCTION TO CANDIDATES

Answer a total of 5 questions, at least 2 from each section.
Each question carries 20 marks

Time: 3 hours

SECTION A

- 1 Describe the operation of the following printing devices. State whether the device is impact or non impact, and state the quality and speed of the printer
- (a) Daisy Wheel
 - (b) Dot Matrix
 - (c) Inkjet
 - (d) Laser
 - (e) Plotter.
- [20]
- 2 (i) Explain the following terms:
- (a) System Software
 - (b) EPROM
 - (c) Primary Memory
 - (d) Register
 - (e) Virtual Memory
- [10]
- (ii) Define what is meant by operating system of a computer. Outline any 5 of its functions.
- [10]
- 3(i) What are the advantages of high level language over the other language. [5]
- (ii) Compare and contrast 1st generation and 4th generation computers. Your Discussion should include:
- (a) Storage devices
 - (b) Hardware components
 - (c) I/O devices
 - (d) Programming languages
 - (e) Efficiency.
- [15]