

**NATIONAL UNIVERSITY OF SCIENCE AND TECHNOLOGY**  
**FACULTY OF COMMUNICATION AND INFORMATION SCIENCE**  
**DEPARTMENT OF LIBRARY AND INFORMATION SCIENCE**

**BACHELOR OF SCIENCE (HONOURS) DEGREE IN LIBRARY  
AND INFORMATION SCIENCE**

**PART I FIRST SEMESTER JANUARY 2011 EXAMINATIONS**

**ILI 1103: INTRODUCTION TO INFORMATION AND TECHNOLOGY**

**TIME: 3 HOURS**

**Instruction to candidates**

1. Answer any four (4) questions.
  2. Each question carries 25 marks.
  3. Importance is attached to accuracy, clarity of expression and legible handwriting.
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1. Explain the following terms as used in information and technology:
  - a. Computer hardware (5 marks)
  - b. Computer software (5 marks)
  - c. Binary system (5 marks)
  - d. Blue tooth (5 marks)
  - e. Client server networking (5 marks)
2. Describe any three types of computers, stating how each type differs from the others.
3. Discuss the factors to be considered in the evaluation of an operating system.
4. Give an analysis of how an information centre of your choice can make use of the following technologies:
  - a. Intranet (10 marks)
  - b. Extranet (7 marks)
  - c. Broadband Internet connection (8 marks)
5. Discuss, giving examples, the various types of computer crimes and suggest possible solutions for each.
6. How does computer networking affect the security of information systems.

***END OF PAPER***