



**National University of Science and  
Technology**

**FACULTY OF COMMERCE**

**DEPARTMENT OF ACCOUNTING**

**SUPPLEMENTARY EXAMINATION: AUGUST 2010**

**INTRODUCTION TO INFORMATION TECHNOLOGY  
CAC 1203**

**TIME ALLOWED: 3 HOURS**

**MARKS: 100**

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**INSTRUCTIONS TO CANDIDATES**

1. Answer any 5 questions
2. Use the examination book provided
3. Use black or blue pen
4. Begin each question on a new page and
5. Submit all answer books used.

### **QUESTION 1 (20 MARKS)**

- i) Discuss the qualities that give information its value (7)
- (ii) Define the following terms
  - a) System entropy (1)
  - b) System boundary (1)
  - c) System stress (1)
- iii) Discuss at least SIX factors influencing the design of data capture systems (10)

### **QUESTION 2 (20 MARKS)**

What are the advantages of using a database system rather than the traditional file system

### **QUESTION 3 (20 MARKS)**

- i) Distinguish between systems software and applications software (6)
- i) What is an editor and how might an editor be used? (4)
- iii) Outline, with the aid of a diagram, how a program written in a High-Level language becomes a machine code ready for operational use. (6)
- iv) What factors would govern the choice of storage media? (4)

### **QUESTION 4 (20 MARKS)**

Explain any FIVE of the following terms used in data communication systems indicating their relevance to systems

- a) LAN (4)
- b) Baud (4)
- c) Star Network (4)
- d) Modem (4)
- e) Asynchronous transmission (4)
- f) Mesh Topology (4)

### **QUESTION 5 (20 MARKS)**

- a) How has the internet contributed to the accounting function in organizations? ( 10)
- b) List and describe three types of data processing modes (4)
- c) Why is feedback given importance in any system? (6)

## **QUESTION 6 (20 MARKS)**

Explain the meaning of the following terms

- i) IT and IS (6)
- ii) DSS and GDSS (8)
- iii) NN and Fuzzy Logic (6)