

NATIONAL UNIVERSITY OF SCIENCE AND TECHNOLOGY

DEPARTMENT OF ACCOUNTING

SUPPLEMENTARY EXAMINATION: OCTOBER 2009

INTRODUCTION TO INFORMATION TECHNOLOGY CAC 1203

TIME ALLOWED: 3 HOURS

INSTRUCTION TO CANDIDATES

ANSWER ALL QUESTIONS

1. The development of computers is categorized into generations. State these generations and highlight the main attractions at each generation **(10) marks**
 - b) Mainframe computers almost went into oblivion at one stage .Explain the circumstances that led to this and how mainframes were saved from total disappearance **(10) marks**

2. Define the term Operating system **(3) marks**
 - b) Describe the main functions carried out by an Operating system **(10) marks**
 - c) Give examples of leading PC Operating systems **(3) marks**
 - d) What is the difference between an Interpreter and a Compiler **(4) marks**

3. Describe the factors that you would consider in buying:
 - i) An application software package **(10) marks**
 - ii) A secondary storage device **(5) marks**
 - b) List the factors one must consider in designing a network **(5) marks**

4. 3. Distinguish between the terms I.T. and Information Systems (IS) **(5) marks**
 - b) State and briefly explain the major components of an Information System **(10) marks**
 - c) Discuss the limitations of a Management Information System **(5) marks**

5. 4. Discuss information security threats on computer systems **(15) marks**
 - b) What type of cable is used for infrared communications **(2) marks**
 - c) Briefly discuss the following communication channels
 - i) Microwave **(1) mark**
 - ii) Satellite **(1) mark**
 - iii) fibre-optic **(1) mark**