

NATIONAL UNIVERSITY OF SCIENCE AND TECHNOLOGY
FACULTY OF COMMERCE
DEPARTMENT OF ACCOUNTING
SUPPLIMENTARY EXAMINATIONS 2011

SUBJECT: INTRODUCTION TO INFORMATION TECHNOLOGY
CODE: CAC1203

INSTRUCTION TO CANDIDATES

Answer any four (4) questions. The question paper consists of six (6) questions.
Each question carries 25 marks

Time: 3 hours

Question One

- a) What is the use of a computer in an office environment? [4]
- b) State three advantages and two disadvantages of computer networks. [5]
- c) Briefly describe the four main components of a computer hardware system. [16]

Question Two

- a) Explain the following computer network terms:
 - i. Internet [3]
 - ii. Extranet [3]
 - i. Intranet [3]
- b) Using examples distinguish between application software and systems software. [6]
- c) Explain the main functions of an Operating System. [10]

Question Three

- a) The three hardware requirements for networking computers are transmission medium, network interface card and a computer. Discuss. [12]

Question Four

- a) Define the following terms used in computer software:
 - i. Virus [2]
 - ii. Worm [2]
 - iii. Trojan horse [2]
 - iv. Program [2]
 - v. Application [2]
- b) State three examples of computer input devices and two output devices. [5]

- c) Evaluate the effectiveness of e-commerce on the Zimbabwean business environment? [10]

Question Five

- a) Define a database and a database management system (DBMS). State one example. [5]
- b) Use a well-labeled diagram to describe the following network topologies:
- i. Star [5]
 - ii. Ring [5]
 - iii. Bus [5]
 - iv. Mesh [5]

Question Six

- a) Define the following data transmission modes:
- i. Half duplex [2]
 - ii. Full duplex [2]
 - iii. Simplex [2]
 - iv. Asynchronous [2]
 - v. Synchronous [2]
- b) Give three examples of computer crimes. [6]
- c) Information systems can either be classified as Transaction Processing Systems, Decision Support Systems and Expert Systems. Briefly explain each type of system. [9]

THE END