

NATIONAL UNIVERSITY OF SCIENCE AND TECHNOLOGY

**FACULTY OF COMMUNICATION AND INFORMATION SCIENCE
DEPARTMENT OF JOURNALISM AND MEDIA STUDIES
INTRODUCTION TO INFORMATION TECHNOLOGY: (IJM 1105)
DECEMBER 2005 EXAMINATION
TIME ALLOWED: 3 HOURS**

INSTRUCTIONS TO CANDIDATES

1. Section A is **compulsory**
2. Answer **any three** questions in section B
3. Start each answer on a new page.
4. Poor spelling and grammar will be penalised.

SECTION A: COMPULSORY

Question 1

- a) Inter connected computer components require software to function. Define Hardware and Software stating the importance of software. Give examples in your answer. [15 marks]
- b) State reasons why you will recommend a computer network for your main newsroom and your Bureaus. [15 marks]
- c) Describe the major Dos and Don'ts when creating a password to protect your information being hacked into when accessing the WWW. [10 marks]

TOTAL: [40 marks]

SECTION B: ANSWER ANY THREE QUESTIONS

Question 2

- a) Give a brief history of the Internet, specifying the major developmental issues that led to its rapid growth. [10 marks]
- b) "The Internet is the biggest WAN." Discuss. [10 marks]

Question 3

- a) Define the following terms
 - i) Computer virus [2 marks]
 - ii) Email Protocol [2 marks]
 - iii) ISP [2 marks]
 - iv) GUI [2 marks]
 - v) Client [2 marks]

- b) What is the difference between Sorting and Filtering in Excel [5 marks]
- c) Which printer type will you recommend for your DTP department in your organization?
Give reasons. [5 marks]
- TOTAL: [20 marks]**

Question 4

- a) The major advances in IT and the WWW has led to an increase in the use of email. What effect will this have on Journalism in Zimbabwe? [15 marks]
- b) What is the difference between SAVE and SAVE AS? [2 marks]
- c) In databases what is difference between a form and a table? [3 marks]
- TOTAL: [20 marks]**

Question 5

- a) What is the main difference between system software and application software? [4 marks]
- b) You have been requested to design a campaign brochure for an AIDS awareness campaign for university students. What are the major design concepts to consider? [10 marks]
- c) How can a journalist utilize packages such as Ms Excel and Ms PowerPoint? [6 marks]
- TOTAL: [20 marks]**

Question 6

- a) i) Describe what is meant by a database and show how databases may be used by journalists [10 marks]
- ii) Give examples of 3 database softwares. [5 marks]
- b) Define a spreadsheet, giving applications where it may be used by a Journalist. [5 marks]
- TOTAL: [20 marks]**