

NATIONAL UNIVERSITY OF SCIENCE AND TECHNOLOGY

FACULTY OF INDUSTRIAL TECHNOLOGY

DEPARTMENT OF TECHNICAL TEACHER EDUCATION

BACHELOR OF EDUCATION HONOURS DEGREE

SUPPLEMENTARY EXAMINATION - 2010

SUBJECT: COMPUTER APPLICATIONS

CODE: TTE 1212

Instructions to candidate:

1. Paper contains SECTION A and SECTION B
2. Answer All questions in SECTION A and any 2 (two) in SECTION B
3. Each question contains 25 (twenty five) Marks

SECTION A

QUESTION ONE

- a) Draw a diagram illustrating the major components of a computer system [10]
- b) Discuss the use of the INTERNET as a potential teaching tool. [10]
- c) Why is a modem necessary to connect to the Internet? [5]

QUESTION TWO

The **table1** below indicates marks from a class of five and specific subjects.

Peter Johns	Ndebele 65%	Maths 34%	Physics 20%	Chemistry 43%
Petre Jones	Maths 35%	Physics 23%	Ndebele 75%	Chemistry 55%
Johnson Peters	Physics 28%	Ndebele 49 %	Chemistry 62%	Maths 70 %
John Ndlovu	Ndebele 57%	Physics 54%	Maths 71%	Chemistry 78%
Laura Nyoni	Maths 78%	Chemistry 76%	Physics 78%	Ndebele 80 %

Table 1

- a) Illustrate how this information can be tabulated on a spreadsheet indicating accurately the Excel row and column headings. [10]
- b) The spreadsheet should indicate the average per subject and the individual averages per student. [10]
- c) Show all working of all formulas as they will be input in the spreadsheet [5]

SECTION B

QUESTION THREE

There are many information and data storage packages in existence. Carry out an in-depth comparison of a database package and a spreadsheet package. Your comparison should also include storage format, data protection and security, storage process, data access and data processing abilities. [25]

QUESTION FOUR

a) Outline the following network configurations

i) Personal Area Network [5]

ii) Local Area Network [5]

iii) Wide Area Network [5]

iv) Metropolitan Area Network [5]

b) What presentation packages are available on the Microsoft package and how do you go about making use of it? [5]

QUESTION FIVE

Discuss the scientific and social impact computer Applications have on modern day life. [25]