



GWANDA STATE UNIVERSITY

FACULTY OF ENGINEERING AND ENVIRONMENT

DEPARTMENT OF GEOMATICS AND SURVEYING

INTRODUCTION TO ICT

ESG1110/LCS1105/SCS1100

Examination Paper

November 2023

This paper consists of three printed pages including the cover page

Time allowed: 3 hours

Total marks: 100

Examiner Name: Ms R Chikutye

INSTRUCTIONS

- 1. Answer QUESTION ONE (Compulsory) and any other THREE questions.**

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QUESTION 1 (Compulsory)

- a. Draw a block diagram of a computer illustrating the basic organisation of a computer system and explain the components in detail. (20 marks)
- b. Spreadsheets have become a part of everyday life. State any five (5) functions of a word processor (5 marks)

QUESTION 2

- a. Give the full form of the following acronyms
 - i. DVD (3 marks)
 - i) USB (3 marks)
 - ii) BIOS (3 marks)
 - iii) HDD (3 marks)
 - iv) CAD (3 marks)
- b. When a CPU executes the instructions in a program, it is engaged in a process that is known as the fetch-decode-execute cycle. Explain in this cycle. (10 marks)

QUESTION 3

- a. Software may be classified as either system or application software. Explain this classification in detail (20 marks)
- b. List any five (5) output devices (5 marks)

QUESTION 4

- a. Compare and contrast ROM and RAM (10 marks)
- b. A loop is a block of statement that performs a set of instructions. List and explain the three types of loops in C. (15 marks)

QUESTION 5

- a. Explain five (5) rules for naming identifiers in C programming language (5 marks)
- b. Write a C program that accepts two integers and checks whether they are equal or not. (15 marks)

QUESTION 6

a. Software Piracy refers to ways of obtaining software without the permission of the software holder. Explain the following types of software piracy;

- i. Counterfeit software (5 marks)
- ii. OEM unbundling (5 marks)
- iii. Softlifting (5 marks)
- iv. Hard disk loading (5 marks)
- v. Internet software piracy (5 marks)

...END OF EXAM...