



FACULTY OF ENGINEERING AND THE ENVIRONMENT
DEPARTMENT OF MINING ENGINEERING
DEPARTMENT OF METALLURGICAL ENGINEERING
COMPUTING FOR ENGINEERS/INTRODUCTION TO COMPUTERS

EMI 1202/EMR1202

Final Examination Paper

June 2023

This examination paper consists of 3 pages

Time Allowed: 3 hours

Total Marks: 100

Examiner's Name: Mr. J Nkala

INSTRUCTIONS

1. This paper contains **TWO** sections with **four** questions.
2. Answer **QUESTION ONE** and **any other TWO questions**
3. Where a question contains subdivisions, the mark value of each subdivision is shown in brackets.
4. Start each question on a new page.

Additional Requirements

None

MARK ALLOCATION

Question 1	60 Marks
Questions 2 - 5	20 Marks
Part Questions	As shown in each part question
Total Attainable	100

SECTION A (Answer all questions 60 Marks)

1. Define a Computer, naming and describing at least 4 characteristics of a computer. [10]
2. Name any 4 computer packages software that can be installed and used on a personal computer meant for the office environment. [4]
3. Name and briefly describe 3 common terms used in the internet [6]
4. What is Microsoft Excel? [2]
5. Name and describe 3 major parts of a computer system [3]
6. Name and briefly explain 5 benefits of the Internet [5]
7. Name 5 types of Operating Systems, briefly explaining what they are and their use, while giving an example. [10]
8. Name and briefly describe 5 functions of an Operating System [10]
9. Computers play an important role in a number of industries and our daily lives, please name, while briefly explaining 5 industries that computers assist in. [10]

SECTION B (Answer two questions)

Question 2 (20 Marks)

1. What is Microsoft Power Point [2]
2. Name any 5 applications of Microsoft Power Point [5]
3. Give a step by step method of opening a blank Microsoft Power Point Presentation [5]
4. Name 5 advantages of presentation software [5]
5. Name 3 steps in running or showing a packed presentation [3]

Question 3 (20 Marks)

1. Briefly describe what AutoCAD is naming and describing 2 uses of it. [5]
2. Using Php write a method / function that calculates the product of 2 integers [5]

3. Name and describe 5 advantages of Computer Applications in Engineering [10]

Question 4 (20 Marks)

Your mother has given your grandmother a computer as a gift. Your grandmother is a retired typist only familiar with a typewriter but not familiar with computers. However, she is looking forward to learning about them. Your mother has asked you to write a simple step-by-step guidelines to help your grandmother understand. The parts of a computer and their functions, to get her started. Write a comprehensive manual that would explain the parts, their functions and standard software packages your grandmother would use. [20]

THE END