NATIONAL UNIVERSITY OF SCIENCE AND TECHNOLOGY
FACULTY OF APPLIED SCIENCES
DEPARTMENT OF COMPUTER SCIENCE

BACHELOR OF SCIENCE HONOURS IN COMPUTER SCIENCE

RESEARCH METHODS
SCS 2110

Main Examination Paper
DECEMBER 2024
This examination paper consists of two (2) pages

Time Allowed: 3 hours
Total Marks: 100
Special Requirements: None
External Examiner's Name: Dr C Gombiro
Examiner's Name: Mr K R Chilumani

INSTRUCTIONS
1. Answer ALL questions in section A and any three (3) questions in section B.
2. Each question carries 20 marks.

MARK ALLOCATION

QUESTION		MARKS
1.		20
2.		20
3.		20
4.		20
5.		20
6.		20
TOTAL FOR FIVE QUESTIONS		100

SECTION A:

QUESTION ONE

Give an outline of the following chapters in a final year research project report:

(a) Chapter One: Introduction [4]

(b) Chapter Two: Literature Review [4]

(c) Chapter Three: Methodology [4]

(d) Chapter Four: Analysis and Design [4]

(e) Chapter Five: Implementation and Testing [4]

QUESTION TWO

Explain the following research assumptions that may be held by a researcher:

(a) philosophical assumptions. [5]

(b) epistemological assumptions. [5]

(c) ontological assumptions. [5]

(d) axiomatic assumptions. [5]

SECTION B:

QUESTION THREE

Demonstrate your research writing skill by reporting on the openEuler operating system char driver experiment which was done during the class lessons. [20]

QUESTION FOUR

Use a suitable example to distinguish between a research methodology and a software development methodology. [20]

QUESTION FIVE

The mixed research methods have gained more popularity than both the qualitative research methods and the quantitative research methods because of their structure. Defend. [20]

QUESTION SIX

Draft a three page proposal with a suitable title derived from a research topic of your choice. [20]

END OF QUESTION PAPER