



NATIONAL UNIVERSITY OF SCIENCE AND TECHNOLOGY
FACULTY OF SCIENCE AND TECHNOLOGY EDUCATION
DEPARTMENT OF TECHNICAL AND ENGINEERING EDUCATION AND TRAINING

Research in Higher Education

PTE 5112

Main Examination Paper

November 2024

This examination paper consists of two (2) printed pages

Time allowed : 3 hours

Total marks: 100

Special Requirements: NIL

Examiner's Name: Dr J. Mathwasa

External Examiner:

INSTRUCTIONS

1. Answer any **FOUR (4)** questions.
2. Each question carries 25 marks
3. Begin each question on a fresh page and number it.
4. Credit will be given for accuracy, legibility and neatness.

MARK ALLOCATION

QUESTION	MARKS
1	25
2	25
3	25
4	25
5	25
6	25
TOTAL	100

QUESTION 1

Define and explain the importance of the following research components in designing a research project.

(i) Research problem

(ii) Research design

(iii) Research Paradigm

(iv) Theoretical Framework

(v) Triangulation

[25 marks]

QUESTION 2

a) Discuss any five ethical considerations that researchers should take into account when they are conducting research. [15 marks]

b) State five implications of violating the code of ethics in research. [10 marks]

QUESTION 3

Discuss the main reasons for conducting literature review in research. [25 marks]

QUESTION 4

Define and explain the terms; research, reliability, credibility, trustworthiness and transferability. Show their relevance in research work. [25 marks]

QUESTION 5

Compare and contrast qualitative and quantitative research. [25 marks]

QUESTION 6

Discuss five types of probability sampling that researchers use. [25 marks]