



NATIONAL UNIVERSITY OF SCIENCE AND TECHNOLOGY

FACULTY OF SCIENCE AND TECHNOLOGY EDUCATION

DEPARTMENT OF SCIENCE, MATHEMATICS AND TECHNOLOGY EDUCATION

THEORETICAL FOUNDATIONS IN STEM EDUCATION 1

PST 5101

Special Examination Paper

DECEMBER 2024

This examination paper consists of 2 pages

Time Allowed: 3 hours

Total Marks: 100

Special Requirements: None

Examiner's Name: PROF L SIBANDA

INSTRUCTIONS

1. Answer question **ONE** and any other **THREE** questions
2. Questions may be answered in any order
3. All questions carry [**25 MARKS**] each
4. Begin each question on a new page.

MARK ALLOCATION

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

Question 1

Explain the following concepts in relation to the theory and practice in education.

- | | | |
|---------------------------------|-----------|------------|
| a. Education and indoctrination | [5 marks] | |
| b. Epistemology | [5 marks] | |
| c. Axiology | [5 marks] | |
| d. Socialisation agents | [5 marks] | |
| e. Multicultural education | [5 marks] | [25 marks] |

Question 2

Assess the influence of globalisation in teaching and learning environment in Zimbabwean schools. [25 marks]

Question 3

Assess the functions of philosophy in relation to the current Zimbabwean Education system. [25 marks]

Question 4

Assess the basic tenets of the Interactionist Perspective with reference to classroom practice. [25 marks]

Question 5

Examine the applicability of Idealist Philosophy to the current Zimbabwean education system. [25 marks]

END OF EXAMINATION PAPER