



NATIONAL UNIVERSITY OF SCIENCE AND TECHNOLOGY
FACULTY OF SCIENCE AND TECHNOLOGY EDUCATION
DEPARTMENT OF SCIENCE, MATHEMATICS AND TECHNOLOGY EDUCATION
PST6403 TRENDS IN COMPUTER SCIENCE EDUCATION

Examination Paper

First Semester

December 2024

This examination paper consists of two printed pages

Time Allowed: 3 hours

Total Marks: 100

Special Requirements: None

Examiner's Name: Mr D. Mkwanzzi

External Examiner: Dr B. Moyo

INSTRUCTIONS

1. Answer any 4 questions
2. Calculators can be used where possible
3. You may use diagrams to support your explanation of concepts

MARK ALLOCATION

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

Question 1

Discuss the following technologies in Computer Science Education

- a) Block chain Technology [10]
- b) Internet of Things [10]
- c) Grid Computing [5]

Question 2

Artificial intelligence eliminates the need for teachers. Discuss. [25]

Question 3

Explain why it is crucial to adopt the following in computer science education

- a) Social Media [15]
- b) Smart Cities [10]

Question 4

Discuss the link between any trends in computer science education and the current Heritage based Education. [25]

Question 5

Compare and contrast strategies a teachers would use in rural Zimbabwe with the strategies and teacher in urban Zimbabwe would use to stay up to date with the trends in computer science education. [25]

End of paper