



NATIONAL UNIVERSITY OF SCIENCE AND TECHNOLOGY

FACULTY OF SCIENCE AND TECHNOLOGY EDUCATION

DEPARTMENT OF SCIENCE, MATHEMATICS AND TECHNOLOGY
EDUCATION

BOTANY PST6337

Main Examination Paper

First Semester

December 2024

This Examination Paper consists of 2 pages

Time Allowed: 3 hours

Total Marks: 100

Special Requirements: None

Examiner's Name: Mr EC Mwangi

External Examiner: Dr P Manyanga

INSTRUCTIONS

1. Answer any 4 questions of your choice.
2. Start each question on a new page.

MARK ALLOCATION

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

1. Analyze the multifaceted impacts of climate change on plant phenology and distribution (25marks).
2. Critically assess the potential benefits and limitations of using phytochemicals from medicinal plants for human health (25marks).
3. Evaluate the effectiveness of micro propagation techniques in conserving endangered plant species (25marks).
4. Assess the potential of bio fertilizers as a sustainable alternative to synthetic fertilizers (25 marks).
5. Discuss the complex world of plant-plant communication through volatiles (25 marks).

END OF QUESTION PAPER