



NATIONAL UNIVERSITY OF SCIENCE AND TECHNOLOGY

FACULTY OF SCIENCE AND TECHNOLOGY EDUCATION

DEPARTMENT OF SCIENCE, MATHEMATICS AND TECHNOLOGY EDUCATION

DIVERSITY OF LIFE I PST 1138

MAIN EXAMINATION PAPER

FIRST SEMESTER

NOVEMBER 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 questions one and two in section A.
2. Answer any three questions from section B.
3. Each question carries **20**marks
4. Start each question on a separate page.

MARK ALLOCATION

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

Section A

1. Classify named organisms each of the five kingdoms based on their diagnostic features **(20marks)**.
2. Provide empirical evidence that supports the theory of evolution **(20 marks)**.

Section B

3. Discuss the significance of biodiversity in maintaining the health and stability of an ecosystem **(20 marks)**.
4. Analyze the negative consequences of human activities on biodiversity **(20marks)**.
5. Propose effective strategies for conserving four threatened species in Zimbabwe **(20 marks)**.
6. Explain the importance of the following organizations in conservation efforts:
 - a) **EMA (8 marks)**
 - b) **CITES (6 marks)**
 - c) **CAMPFIRE (6 marks)**

END OF QUESTION PAPER