



NATIONAL UNIVERSITY OF SCIENCE AND TECHNOLOGY

FACULTY OF ENVIRONMENTAL SCIENCE

DEPARTMENT OF GEOSPATIAL SCIENCE

INTRODUCTION TO FORESTRY (EFW 1201)

Main Examination Paper

September 2024

This Examination Paper consists of 2 pages

Time Allowed: 3 hours

Total Marks: 100

Special Requirements: Nil

Internal Examiner: Dr A. Chichinye

External Examiner: Prof. E. Chivandi

INSTRUCTIONS

1. Answer **QUESTION ONE** and any **THREE** others
2. Each question carries 25 marks

MARK ALLOCATION

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

1. Diameter and height measurements are the backbone of forest production. Discuss.
2. Explain fully the effects of thinning and pruning operation on forest stands.
3. Discuss fire pre-suppression measures that should be implemented in fire protection.
4. (a) With the aid of diagrams, fully explain the layout of a nursery. **[15marks]**
(b) Explain the factors considered in siting a nursery **[10 marks]**
5. Discuss any TWO-nursery systems.
6. With the aid of diagrams, fully explain the shelterwood tree and the selection silvicultural systems.