



KISII UNIVERSITY

UNIVERSITY EXAMINATIONS

**FOURTH YEAR EXAMINATION FOR THE AWARD OF THE DEGREE OF
BACHELOR OF SCIENCE IN NATURAL RESOURCE MANAGEMENT**

SECOND SEMESTER 2023/2024

[JAN – APRIL, 2024]

NARE 450: AGROFORESTRY

STREAM: Y4 S2

TIME: 2 HOURS

DAY: TUESDAY, 3:00 - 5:00 P.M.

DATE: 16/04/2024

INSTRUCTIONS

- 1. Do not write anything on this question paper.***
- 2. Answer question ONE in section A (Compulsory) and any other TWO questions from section B.***

SECTION A (ANSWER ALL QUESTIONS)

1. Explain the attributes used for evaluation of agroforestry Systems. (6 marks)
2. Giving examples, explain any three agroforestry technologies. (6 marks)
3. Explain the Possible Interaction among the three components of agroforestry. (6 marks)
4. Explain the criteria used in the classification of agroforestry system (6 marks)
5. Explain "Plant union" as a tree Propagation method. (6 marks)
6. Explain five functions of Agroforestry (10 marks)

SECTION B: ANSWER ALL QUESTIONS

6(a) Describe the role of agroforestry in soil Conservation. (5 marks)

b). Discuss the Potential of agroforestry in the enhancement of food security and bioenergy. (10 marks)

7. Discuss the concept of "Diagnosis and Design as it is used in Agroforestry. (15 marks)