



KISII UNIVERSITY
UNIVERSITY EXAMINATIONS

THIRD YEAR EXAMINATION FOR THE AWARD OF THE
DEGREE OF BACHELOR OF SCIENCE IN ANIMAL SCIENCE &
TECHNOLOGY

FIRST SEMESTER 2022/2023
(SEPTEMBER - DECEMBER, 2022)

AGRO 371: PASTURE AND FODDER CROPS

STREAM: Y3 S1

TIME: 2 HOURS

DAY: FRIDAY, 3:00P.M – 5:00 P.M

DATE: 23/12/2022

INSTRUCTIONS:

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

SECTION A (30MARKS)

1. Differentiate between the following terms as used in pasture and fodder crops. (6marks)
 - i) Forage and fodder crop
 - ii) Grass and legume
 - iii) Pollarding and coppicing
2. Grasslands are divided into two groups, explain. (4marks)
3. Outline various reasons as to why we conserve forage in the farm (5marks)
4. Explain factors considered in selecting forage species. (10marks)
5. Outline factors affecting quality of hay. (5marks)

SECTION B

6. a) Describe morphology of a grass. (10marks)
- b) Briefly describe classification of pasture plants. (10marks)
7. a) outline critical steps in establishing pastures. (8marks)
- b) Describe how to produce and manage fodder trees and shrubs. (12marks)
8. a) outline steps in silage making. (10marks)
- b) Explain factors affecting quality of silage. (10marks)