



KENYATTA UNIVERSITY

UNIVERSITY EXAMINATIONS 2011/2012

SECOND SEMESTER EXAMINATION FOR THE DEGREE OF BACHELOR OF SCIENCE

SCB 308: TROPICAL AGRO FORESTRY

DATE: THURSDAY, 29 MARCH 2012

TIME: 8.00 A.M -10.00 A.M

INSTRUCTIONS:

Answer ALL questions in Section A and ANY ONE in Section B. Answers in Section A must be concise and written in the spaces provided in the question paper.

Section A: Short Answer Questions (5 Marks each)

1. Briefly explain the concept Agroforestry

2. Briefly explain the two main factors that led to the wide acceptance of agroforestry as a land-use approach for the tropics in the 70's and 80's

3. (a) Define the following terms:

i. Social forestry

ii. Community forestry

iii. Farm forestry

b. How is agroforestry different from social, community and farm forestry

4. Highlight **two** traditional and **three** modern agroforestry system

5. Point out the most common agroforestry system in each of the three major ecological regions of the tropics

6. Briefly explain methods of weed and pest control in a newly established agroforestry planting
7. Highlight five agroforestry tree species adopted in Kenya summarizing their role in agroforestry
8. Highlight the major negative effects at the tree-crop interface and tree-animal interface in agroforestry systems

Section B – Essay Questions (30 Marks)

1. Discuss the four main criteria of classifying agroforestry systems citing examples of agroforestry practices involved
2. Discuss the socio-economical benefit and ecosystem services of agroforestry systems
3. Assuming you were an agroforestry expert posted to upland Limuru, explain the agroforestry practices that you could recommend to the farmers in the area and why those recommendations