



UNIVERSITY OF KABIANGA
UNIVERSITY EXAMINATIONS

2015/2016 ACADEMIC YEAR

THIRD YEAR SECOND SEMESTER EXAMINATION

FOR THE DEGREE OF BACHELOR OF SCIENCE IN AGRO-FORESTRY AND RURAL DEVELOPMENT

COURSE CODE: FOR 328

COURSE TITLE: AGROFORESTRY

DATE: 7TH APRIL, 2016

TIME: 9.00 A.M-12 NOON

INSTRUCTIONS:

ANSWER ALL QUESTIONS IN SECTION A AND ANY OTHER TWO QUESTIONS IN SECTION B.

SECTION A: (30 marks)

1. Define the following terms as used in Agroforestry:
 - i. Agroforestry. (2 marks)
 - ii. Agroforestry technology. (2 marks)
 - iii. Community forestry. (2 marks)
 - iv. Entomoforestry. (2 marks)
2. State the three major forms of interactions that occur between the agroforestry components. (3 marks)
3. Explain why mono-cropping systems are considered much more risky and costly venture in the long run. (3 marks)

4. i. What are the major characteristics of agroforestry systems? (3 marks)
ii. Describe two criteria used in classification of agroforestry technologies. (4 marks)
5. i. Compare and contrast between agroforestry in the tropics and agroforestry in the temperate zones. (6 marks)
ii. Differentiate between photosynthesis and respiration. (3 marks)

SECTION B: (40 marks)

6. i. Discuss the basic procedures of diagnosis and design as a methodology of land management problems design of agroforestry solutions. (15 marks)
ii. Explain the principles of field experimentation in agroforestry. (5 marks)
7. Agroforestry research as in other disciplines encompasses different perspectives. Discuss. (20 marks)
8. A new social scientist attached to your department intends to conduct on-farm research, and has sought your advice as an experienced agro forester on how to go about conducting this exercise. Explain to him/her in detail the various phases involved in the developmental of on-farm research process. (20 marks)