

**CHUKA**



**UNIVERSITY**

**UNIVERSITY EXAMINATIONS**

**SECOND YEAR EXAMINATION FOR THE AWARD OF  
BACHELOR OF SCIENCE IN ENVIRONMENTAL SCIENCE, BACHELOR OF  
SCIENCE IN AGRICULTURE, BACHELOR OF SCIENCE IN AGRICULTURAL  
EDUCATION AND EXTENSION**

**NARE 450: AGROFORESTRY**

**STREAMS: BSC (ENSC, AGRIC, AGED) Y3S2**

**TIME: 2 HOURS**

**DAY/DATE: THURSDAY 11/12/2014**

**11.30 AM – 1.30 PM**

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**INSTRUCTIONS:**

- **Answer All Questions in Section A and any Two in Section B**
- **Do not write on the question paper**

**Section A: Answer all Questions**

1. Explain the benefits of Agroforestry as land use practice [4 marks]
2. Giving examples, explain the following terms used in Agroforestry [3 marks]
  - (a) Coincident
  - (b) Concomitant
  - (c) Intermittent
3. Explain the need for Agroforestry [5 marks]
4. Explain the attributes of any Agroforestry system [6 marks]
5. Describe any three components of Agroforestry [6 marks]
6. Explain the Agroforestry system in view of physiognomic classification [6 marks]
7. Which factors are considered when choosing an Agroforestry tree for planting? [6 marks]

**Section B: Answer Any Two Questions**

8. Discuss the structural and functional classification of Agroforestry [20 marks]
  9. Discuss the development of Agroforestry [20 marks]
  10. Discuss the Tree Crop Interaction (TCI) [20 marks]
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