

CHUKA



UNIVERSITY

UNIVERSITY EXAMINATIONS

**SECOND YEAR EXAMINATION FOR THE AWARD OF
BACHELOR OF SCIENCE IN WILDLIFE AND ENTERPRISE MANAGEMENT**

NARE 210: PRINCIPLES OF FORESTRY

STREAMS: BSC (ENSC) Y2S1

TIME: 2 HOURS

DAY/DATE: THURSDAY 11/12/2014

11.30 AM – 1.30 PM

INSTRUCTIONS:

- Answer all question in section A and any Two in section B
- Do not write on the question paper

SECTION A: ANSWER ALL QUESTIONS

1. What is silvology [2 marks]
2. Explain the following terms used in forestry [6 marks]
 - (i) Pollarding
 - (ii) Succession
 - (iii) Genetic improvement
 - (iv) Greenhouse effects
 - (v) Ecological thinning
 - (vi) Climate change
3. Explain the objectives of forestry in Kenya [3 marks]
4. How do forests affect the H₂O cycle [6 marks]
5. Forest are carbon source and carbon sink. Explain [6 marks]
6. Explain the tree regeneration strategies. [4 marks]

SECTION B: ANSWER ANY TWO QUESTIONS

7. Discuss the values of forestry [20 marks]

8. Forestry sector is faced with numerous challenges.
- (a) Explain the challenges facing forestry sector [10 marks]
 - (b) Propose ways of managing the challenges [10 marks]
9. Discuss sustainable forest management. [20 marks]
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