

CHUKA



UNIVERSITY

UNIVERSITY EXAMINATIONS

FOURTH YEAR EXAMINATION FOR THE AWARD OF DEGREE
OF BACHELOR OF SCIENCE IN NATURAL RESOURCE MANAGEMENT

NARE 440: SILVICULTURE

STREAMS: BSC (NARE) Y4S1

TIME: 2 HOURS

DAY/DATE: FRIDAY 07/12/2018

11.30 A.M. – 1.30 P.M.

INSTRUCTIONS:

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

SECTION A

- Q1. Explain how the silvicultural practices control forest vegetation [6 marks]
- Q2. Describe any three silvicultural methods applied in forest management [6 marks]
- Q3. Explain the role of insects in forest management [6 marks]
- Q4. Explain why thinning is important in forest establishment [6 marks]
- Q5. Explain the silvicultural regeneration methods [6 marks]

SECTION B

- Q6. (a) Discuss rotation in relation to forest productivity [10 marks]
- (b) Discuss the factors to consider when setting a tree nursery for large seedling production

[10marks]

- Q7. Discuss the importance of growing eucalyptus on farm [20 marks]
- Q8. Discuss the role of forestry in mitigating the effects of climate change [20 marks]

