

CHUKA



UNIVERSITY

UNIVERSITY EXAMINATIONS

SECOND YEAR EXAMINATION FOR THE AWARD OF DEGREE OF BACHELOR  
OF SCIENCE IN NATURAL RESOURCES MANAGEMENT

NARE 222: DENDROLOGY AND PLANT TAXONOMY

STREAMS: BSC (ECOTOURISM) Y3S1

TIME: 2 HOURS

DAY/DATE: WEDNESDAY 5/12/2018

8.30 A.M - 10.30 A.M.

INSTRUCTIONS:

- Answer ALL Questions in Section A and any TWO Questions in Section B
- Do not write anything on the question paper

SECTION A: [30 MARKS] - ANSWER ALL QUESTIONS

1. Explain the following terms; [5 Marks]
  - (a) Monograph
  - (b) Flora
  - (c) Catalogue
  - (d) Herbarium
  - (e) Primary ecological succession
2. Briefly describe the four principles objectives of studying dendrology. [4 Marks]
3. Highlight five disadvantages of common names. [5 Marks]
4. Distinguish four forms of plants based on their structure. [4 Marks]
5. Describe five type of ecological regions in East Africa in respect to variation in associated flora. [5 Marks]
6. Explain two categories of trees based on water relations and distribution. [2 Marks]
7. Highlight five biome that characterize plant formations and distribution. [5 Marks]

SECTION B: [40 MARKS] - ANSWER ANY TWO QUESTIONS

8. Discuss the procedure for pant collection and preservation in a herbarium. [20 Marks]

**NARE 222**

9. Discuss the ecological, economic and cultural importance of trees. [20 Marks]

10. Discuss the composition of the notes taken during field specimen collection. [20 Marks]

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