

EGERTON



UNIVERSITY

**UNIVERSITY EXAMINATIONS**  
**NJORO CAMPUS**

**RESIT/SPECIAL EXAMINATION FOR THE DEGREE OF BACHELOR OF**  
**SCIENCE IN ECOTOURISM & HOSPITALITY MANAGEMENT**

**NARE 102/121: INTRODUCTION TO EAST AFRICAN FLORA**

**STREAMS: BSC. (ECOT) (Y1S1)**

**TIME: 2 HRS**

**EXAMINATION SESSION: JULY**

**YEAR: 2024**

**INSTRUCTIONS:**

- (i) Answer ALL questions in Section A and ANY TWO in Section B
- (ii) Do not write on the question paper
- (iii) Show your working clearly

**SECTION A (40 Marks)**

**Question One**

Define the following terms and concepts :

- |                         |          |
|-------------------------|----------|
| a) Flora                | (1 Mark) |
| b) Vegetation           | (1 Mark) |
| c) Nomenclature         | (1 Mark) |
| d) Plant community      | (1 Mark) |
| e) Exclusive species    | (1 Mark) |
| f) Constants            | (1 Mark) |
| g) Plants association   | (1 Mark) |
| h) Plant consociation   | (1 Mark) |
| i) Plant taxonomy       | (1 Mark) |
| j) Ecological amplitude | (1 Mark) |

**Question Two**

Describe the ecological factors that determine the type of vegetation to be found in any one given habitat (10 Marks)

**Question Three**

Differentiate between the following:

- a) Casual and dominant species (2 Marks)
- b) Variety and species (2 Marks)
- c) Ecological and physiognomic classification (2 Marks)
- d) Biotic and edaphic climax (2 Marks)
- e) Subordinate and indifferent species (2 Marks)

**Question Four**

State the main differences between monocot and dicot plants (10 Marks)

**SECTION B (30 MARKS)****Question Five**

Discuss the main vegetation types and their land use in each ecological zone found in East Africa (15 Marks)

**Question Six**

Discuss the ecological, environmental and cultural uses of vegetation. (15 Marks)

**Question Seven**

Discuss the importance of mangroves forest ecosystem and the dangers facing them in East Africa (15 Marks)

\*\*\*\*\*