

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)
