

CHUKA



UNIVERSITY

UNIVERSITY EXAMINATIONS

EMBU CAMPUS

**EXAMINATION FOR THE AWARD OF DEGREE OF BACHELOR OF EDUCATION
ARTS**

GEOG 303: BIOGEOGRAPHY

STREAMS: BED (ARTS)

TIME: 2 HOURS

DAY/DATE: TUESDAY 10/12/2018

8.30 A.M – 10.30 A.M

INSTRUCTIONS

- **Answer question ONE and any TWO other questions.**
- **Sketch maps and diagrams may be used to illustrate your answers.**

1. (a) Explain the meaning of the terms listed below as used in Biogeography:

(i) Biogeography	(4 marks)
(ii) Ecology	(4 marks)
(iii) Soil catena	(3 marks)
(iv) Adaptation	(3 marks)
(v) Extinction	(4 marks)

(b) Distinguish between the paired concepts below;

(i) Food chain and Food web	(6 marks)
(ii) Biomass and Biome	(6 marks)
2. Explain the role played by the processes listed below in the distribution of species;

(a) Competition	(5 marks)
(b) Predation	(5 marks)
(c) Human activities	(5 marks)
(d) Symbiosis.	(5 marks)

3. Discuss any four factors which determine the formation of soils. (20 marks)
4. Discuss the two main components of the ecosystems (20 marks)
5. Using examples, explain the processes of energy flow through different trophic levels.

(20marks)
