

**CHUKA**



**UNIVERSITY**

**UNIVERSITY EXAMINATIONS**

**THIRD YEAR EXAMINATION FOR THE AWARD OF DEGREE OF  
BACHELOR IN NATURAL RESOURCES MANAGEMENT**

**GEOG 314: BIOGEOGRAPHY**

**STREAMS: B.A**

**TIME: 2 HOURS**

**DAY/DATE: WEDNESDAY 24/3/2021**

**2.30 PM –4.30 PM**

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**INSTRUCTIONS:**

- Answer Question **One** and any other **Two**
- Use diagram to illustrate your answers

1. a) Discuss four different discipline which form the scope of biogeography and explain what their contributions are to biogeography. [16 Marks]
- b) What contributions did the following activities in the 18<sup>th</sup> and 19<sup>th</sup> century make toward the development of modern biogeography:
  - (i) exploration by scientists
  - (ii) search for new lands
  - (iii) regionalization and industrial revolution in Europe and America ? [14 Marks]
2. Explain the role of trophic levels in the exchange of energy. [20 Marks]
3. How do different dispersal methods explain the distribution of plants and animals in East Africa? [20 Marks]
4. Show using examples the roles of .
  - a) Competition
  - b) Predation
  - c) Symbiosis in species distribution on earth. [20 Marks]
5. What is the significance of soils and climate in biodiversity? [20 Marks]

