



KISII UNIVERSITY

UNIVERSITY EXAMINATIONS

FIRST YEAR EXAMINATION FOR THE AWARD OF THE DEGREE OF BACHELOR OF ARTS IN GEOGRAPHY

SECOND SEMESTER, 2021/2022

(FEBRUARY - JUNE, 2022)

GEOG 125: FUNDAMENTALS OF GEOGRAPHIC SYSTEMS

STREAM: Y1 S1

TIME: 2 HOURS

DAY:

DATE:

INSTRUCTIONS:

- 1. Do not write anything on this question paper.***
- 2. Answer Question ONE (Compulsory) and any other TWO Questions.***

QUESTION ONE

- Explain how humans affect food chains in the ecosystem. [6 Marks]
- Describe human and wild animal hazards to forest biomes and suggest six sustainable solutions. [12 Marks]
- The distribution of plants and animals is usually linked to changes in climate and evolution. Explain how such changes in life forms are affected by endemics [6 Marks]
- Outline six benefits of endemics to humans [6 Marks]

QUESTION TWO

- Justify the statement that 'organisms migrate from one biome to another on push or pull factors' on a continental scale. [10 Marks]
- Explain the difference between peripheral population species and disjunction population species. [10 Marks]

QUESTION THREE

- a) Explain five factors that promote animal-human conflicts in any given environments. [10 Marks]
- b) Examine one example of such conflicts and suggest measures which could solve the above conflicts in Kenya. [10 Marks]

QUESTION FOUR

- a) Explain how habitats of life forms are affected by natural phenomena. [10 Marks]
- b) Write short notes on environmental perturbation caused by climate change on community composition and structure. [10 Marks]

QUESTION FIVE

- a) Discuss five factors that enhance distribution of organisms in the environment. [10 Marks]
- b) Basing on the fact that all ecosystems components (abiotic and biotic) change over time and space, clarify the change through succession and zonation. [10 Marks]