



UNIVERSITY EXAMINATIONS

SECOND SEMESTER 2023/2024 ACADEMIC YEAR

**FOURTH YEAR EXAMINATION FOR THE DEGREE OF
BACHELOR OF SCIENCE IN GEOGRAPHY**

GEOG 423: ENVIRONMENTAL HAZARDS

STREAM: R

TIME: 2 HRS

DAY: FRIDAY [2.30P.M – 4.30P.M]

DATE: 12/04/2024

THIS QUESTION PAPER CONSISTS OF TWO (2) PAGES

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INSTRUCTIONS

Answer question **ONE** and any other **TWO** questions

QUESTION ONE

- a) Explain the meaning of the following terms:
- i. Environmental hazard (2 Marks)
 - ii. Biological hazard (2 Marks)
 - iii. Risk (2 Marks)
 - iv. Risk assessment (2 Marks)
- b) Briefly discuss any **five** (5) root causes of environmental disasters (10 Marks)
- c) Explain how deforestation in the Amazon contribute to environmental disasters (drought and floods) in Kenya (5 Marks)
- d) State the **seven** (7) steps for a comprehensive risk assessment process (7 Marks)

QUESTION TWO

- a) With concrete examples, briefly discuss the two (2) main environmental disasters in Kenya (6 Marks)
- b) Describe any three (3) major causes flooding in Budalangi, Kenya (6 Marks)
- c) By use of clear examples, discuss any three (3) major impacts of droughts in Kenya. (6 Marks)
- c) Which institution in Kenya is mandated to handle emergencies and disasters in Kenya and what is its mandate (2 Marks)

QUESTION THREE

- a) What is a geological hazard? (2 Marks)
- b) Using relevant examples, briefly describe any **four** (4) geological hazards (8 Marks)
- c) Discuss two (2) main impacts of geological hazards on ecosystems (4 Marks)
- d) Discuss two (2) main impacts of geological hazards on human life (4 Marks)
- e) Discuss one (1) measure in place to address geological hazards in Kenya (2 Marks)

QUESTION FOUR

Discuss any **ten** (10) factors that influence the climate of Africa (20 Marks)

QUESTION FIVE

- a) Discuss any **five** (5) factors that may influence the climate in Kenya (10 Marks)
- b) Discuss **two** (2) visions from the Africa climate summit-the Nairobi declaration (4 Marks)
- c) Discuss **three** (3) achievements that Africa got from CAP 28 (6 Marks)

