



MERU UNIVERSITY OF SCIENCE AND TECHNOLOGY

P.O. Box 972-60200 – Meru-Kenya

Tel: +254(0) 799 529 958, +254(0) 799 529 959, + 254 (0) 712 524 293,

Website: info@must.ac.ke Email: info@must.ac.ke

University Examinations 2024/2025

FOURTH YEAR FIRST SEMESTER EXAMINATION FOR THE DEGREE OF BACHELOR OF EDUCATION ARTS

EGE 3401: GEOGRAPHY OF NATURAL HAZARDS

DATE: JANUARY 2025

TIME: 2 HOURS

INSTRUCTIONS: Answer question *one* and any other *two* questions

QUESTION ONE (30 MARKS)

- a. Explain the following concepts:
 - i. Hazard (2 marks)
 - ii. Disaster (2 marks)
 - iii. Mitigation (1 marks)
 - iv. Risk (1 marks)
- b. Examine the THREE categories of natural hazards. (9 marks)
- c. Assess the role of human activities in exacerbating the occurrence and severity of landslides. (5 marks)
- d. Analyze the challenges of disaster management in regions prone to frequent flooding in Kenya. (5 marks)
- e. Analyze the effects of tropical cyclones on coastal regions. (5 marks)

QUESTION TWO (20 MARKS)

Meru University of Science & Technology is ISO 9001:2015 and ISO/IEC 27001:2013 Certified

Foundation of Innovations

Page 1

- a) Examine FIVE predisposing factors that expose a population to vulnerability. (15 marks)
- b) Examine the role of National Drought Management Authority in managing disasters in Kenya. (5 marks)

QUESTION THREE (20 MARKS)

You have been appointed by the County Government of Murang'a to supervise the disaster preparedness and management docket.

- a) Describe the components in the disaster management cycle that you would adopt as you undertake your mandate. (8 marks)
- b) Illustrate the various phases of disasters that Meru County Government and its residence need to be aware of. (12 marks)

QUESTION FOUR (20 MARKS)

- a) Examine the social reactions exhibited by a population following a disaster. (10 marks)
- b) Examine the role of international organizations in managing natural disasters in Kenya. (10 marks)

QUESTION FIVE (20 MARKS)

- a) The frequency of disaster occurrence has been gaining momentum globally. Account for the rise in the frequency of natural disaster occurrence in the tropical regions in the recent past. (12 marks)
- b) Illustrate the effects of Ozone depletion on the following:
 - i. Human population (4 marks)
 - ii. Marine Ecosystem (4 marks)