



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

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

EGE 3101: INTRODUCTION TO PHYSICAL GEOGRAPHY

DATE: JANUARY 2025

TIME: 2 HOURS

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

QUESTION ONE (30 MARKS)

- a) Discuss two drawbacks of Catastrophic-Event Theory. (4 Marks)
- b) Erosion and deposition processes changes the way the surface of the earth looks over time. Differentiate between erosion and deposition in geography. (4 Marks)
- c) Discuss how weather elements affect the rate of weathering. (6 Marks)
- d) Explain the two types of lithosphere. (4 Marks)
- e) Clarify three differences between Evapotranspiration and Transpiration. (6 Marks)
- f) Elucidate three causes of discontinuous distribution of species in the continent (6 Marks)

QUESTION TWO (15 MARKS)

- a) Account for the three causes of soil creep in Kenya. (6 Marks)
- b) The area near the surface of the earth can be divided into four interconnected spheres. Explain three importance of atmosphere to man. (9 Marks)

QUESTION THREE (15 MARKS)

- a) The flow of any watercourse is determined by various factors. Discuss three geomorphological factors which influence the flow of river Nyando. (6 Marks)
- b) The amount of solar radiation that reaches a particular "spot" on the Earth's surface depends on a number of aspects. Explicate three factors which affect solar radiation reaching different parts of our country. (9Marks)

QUESTION FOUR (15 MARKS)

- a) Explain three human factors that determine Hydrological cycles. (9 Marks)
- b) Elucidate three ways how overpopulation has affected **biosphere**. (6 Marks)

QUESTION FIVE (15 MARKS)

- a) Discuss safety precautions with Electromagnetic (EM) Radiation. (9 Marks)
- b) Explain three characteristics of Karst Landforms. (6 Marks)