



UNIVERSITY OF EMBU

2017/2018 ACADEMIC YEAR

TRIMESTER EXAMINATIONS

SECOND YEAR EXAMINATION FOR THE DEGREE OF BACHELOR OF
EDUCATION (ARTS)

GEG 203: BIOPHYSICAL ENVIRONMENTS

DATE: JULY 31, 2018

TIME: 8:30 AM – 10:30 AM

INSTRUCTIONS:

Answer Question ONE and ANY Other TWO Questions.

QUESTION ONE (30 MARKS)

- a) Differentiate between weathering and mass wasting. (4 marks)
- b) Explain any five features of ecosystems. (5 marks)
- c) Differentiate between lentic and lotic freshwater ecosystems (4 marks)
- d) Describe five causes of mass wasting. (5 marks)
- e) Explain five components of the atmosphere. (5 marks)
- f) Explain the types of aquifers that you know. (4 marks)
- g) Explain the three components of biogeography. (3 marks)

QUESTION TWO (20 MARKS)

- a) Explain five factors that influence the rate of weathering processes. (10 marks)
- b) Describe the different types of slopes that you know. (10 marks)

QUESTION THREE (20 MARKS)

- a) Describe six processes that are associated with the hydrological cycle. (12 marks)
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- b) Analyse the processes involved in physical weathering. (8 marks)

QUESTION FOUR (20 MARKS)

- a) Describe the layers that make up the atmosphere, giving the characteristics of each layer. (10 marks)
b) Describe five types of forest ecosystem that exist. (10 marks)

QUESTION FIVE (20 MARKS)

- a) Using a well labelled diagram, illustrate the hydrological cycle (8 marks)
b) Describe six types of mass wasting. (12 marks)

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