



MACHAKOS UNIVERSITY

University Examinations for 2018/2019 Academic Year

SCHOOL OF HUMANITIES AND SOCIAL SCIENCES

DEPARTMENT OF SOCIAL SCIENCES

SECOND YEAR SPECIAL/SUPPLEMENTARY EXAMINATION FOR

BACHELOR OF EDUCATION (ARTS)

BACHELOR OF ARTS

AGE 201: PHYSICAL GEOGRAPHY II

DATE: 23/9/2019

TIME: 11:00 – 1:00 PM

INSTRUCTIONS: Answer QUESTION ONE and any other TWO QUESTIONS

QUESTION ONE (30 MARKS)

- a) Explain the components of the hydrologic cycle. [4 marks]
- b) Define the terms [10 marks]
- (i) Precipitation
 - (ii) Infiltration Rate
 - (iii) Ground water
 - (iv) Desertification
 - (v) Slope stability
- c) Write short notes on the following:
- (i) The indirect values of wetland ecosystems [3 marks]
 - (ii) Land degradation [3 marks]
- d) Distinguish between exogenic and endogenic factors in rock weathering. [4 marks]
- f) Describe the relationship between the terms Lithosphere, Atmosphere, Hydrosphere and Biosphere. [6 marks]

QUESTION TWO (20 MARKS)

Describe the major threats to forests and vegetation and explain how these have interfered with the hydrologic cycle in any one of major 'water towers' in Kenya.

QUESTION THREE (20 MARKS)

- a) Classify the rock types on the Earth's surface. [10 marks]
- b) Outline classes of evidence to prove that Gondwanaland and Laurasia actually existed, and that they drifted to their present positions. [10 marks]

QUESTION FOUR (20 MARKS)

- a) Describe the internal structure of the earth using diagrams [15 marks]
- b) Explain the importance of geological times scale. [5 marks]

QUESTION FIVE (20 MARKS)

- a) What do you understand by the term weathering? [5 marks]
- b) Give an in-depth description of the processes of chemical weathering [15 marks]