



MACHAKOS UNIVERSITY

University Examinations 2017/2018

SCHOOL OF HUMANITIES AND SOCIAL SCIENCE

DEPARTMENT OF SOCIAL SCIENCES

SECOND YEAR FIRST SEMESTER EXAMINATION FOR

BACHELOR OF EDUCATION (SCIENCE)

BACHELOR OF EDUCATION (ARTS)

BACHELOR OF ARTS

AGE 201: PHYSICAL GEOGRAPHY II

DATE: 14/12/2017

TIME: 8:30 – 10:30 AM

INSTRUCTIONS

Answer Question One and Any Other Two Questions

QUESTION ONE (30 MARKS)

- a) Distinguish between Actual Evapotranspiration (AET) and Potential Evaporation (PET) Rate. (6 marks)
- b) Define the following terms:
 - i. Water Balance Concept (2 marks)
 - ii. Precipitation (2 marks)
 - iii. Infiltration Rate (2 marks)
 - iv. Water Table (2 marks)
 - v. Drainage Divide (2 marks)
- c) Using suitable examples, explain how weathering influence man's decisions. (10 marks)
- d) Describe any two Aeolian landforms. (4 marks)

QUESTION TWO (20 MARKS)

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

QUESTION THREE (20 MARKS)

- a) Identify and explain any three hydrologic processes within a river basin. (9 marks)
- b) Using an illustration, explain what is meant by river regimes. (6 marks)
- c) Explain the significance of ground water resources. (5 marks)

QUESTION FOUR (20 MARKS)

- a) Describe and critique William Davis Morris' theory of landscape development. (10 marks)
- b) Explain how slopes affect man's activities. (5 marks)
- c) Describe different types of weathering processes. (5 marks)

QUESTION FIVE (20 MARKS)

- a) Explain five factors influencing coastal morphology. (10 marks)
- b) Using suitable illustration, describe the components of the hydrologic cycle. (10 marks)