



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: 23/7/2019

TIME: 8.30-10.30 AM

INSTRUCTIONS:

Answer Question One And Two Other Questions At Least One Question From Each Section.

SECTION A: COMPULSORY

QUESTION ONE (30 MARKS)

- a) Explain the following concepts:
- i. Water balance concept (8 marks)
 - ii. Potential Evapo-transpiration (6 marks)
 - iii. Global warming (2 marks)
 - iv. Micro- climate (4 marks)
 - v. Aquifer (2 marks)
- b) Discuss how weathering affects land use (8 marks)

SECTION B: LITHOSPHERE

QUESTION TWO (20 MARKS)

Using examples, discuss the role of surface runoff in landform development

QUESTION THREE (20 MARKS)

Describe the geomorphologic processes that are dominant in arid zones

SECTION C: HYDROSPHERE

QUESTION FOUR (20 MARKS)

- a) Using illustrations, describe the components of the hydrological cycle (14 marks)
- b) Explain how climate influence the rate of rock weathering (6 marks)

QUESTION FIVE (20 MARKS)

- a) Define the following:
 - i. Water table (3 marks)
 - ii. Water shed (3 marks)
- b) Explain how the process of condensation and clouds formation influence precipitation (8 marks)
- c) Discuss the significance of water to vegetation (6 marks)