



MACHAKOS UNIVERSITY

University Examinations for 2018/2019 Academic Year

SCHOOL OF HUMANITIES AND SOCIAL SCIENCES

DEPARTMENT OF SOCIAL SCIENCES

FIRST YEAR SPECIAL/SUPPLEMENTARY EXAMINATION FOR

BACHELOR OF EDUCATION (ARTS)

BACHELOR OF ARTS

AGE 102: PHYSICAL GEOGRAPHY I

DATE: 25/7/2019

TIME: 8.30-10.30 AM

INSTRUCTIONS: Answer QUESTION ONE and any other TWO QUESTIONS

QUESTION ONE (30 MARKS)

- a) What are the three major perspectives of physical geography (3 marks)
- b) Using appropriate examples, discuss the classification of rocks as being 'igneous', 'sedimentary' and 'metamorphic' (6 marks)
- c) Distinguish the following concepts:
 - i. Mass wasting and mass movement (4 marks)
 - ii. Folding and faulting (4 marks)
- d) Using a well-illustrated sketch diagram describe the internal structure and composition of the Earth (4 marks)
- e) Identify the major physical features and composition of the earth's land masses, water, atmosphere, and biomes. (5 marks)
- f) State the different elements of weather and climate (4 marks)

QUESTION TWO (20 MARKS)

- a) Explain the four spheres of the Earth which characterize the natural systems in physical geography. (12 marks)
- b) Analyze the major concerns of the following as explained in physical geography.
 - i. Geomorphology (4 marks)

ii. Weathering (4 marks)

QUESTION THREE (20 MARKS)

- a) Analyze the physical features formed by water as an agent of erosion, transportation and deposition. (8 marks)
- b) Outline six ways in which human activities are changing the Earth. (12 marks)

QUESTION FOUR (20 MARKS)

Examine tectonic plate interactions and the resultant landforms. (20 marks)

QUESTION FIVE (20 MARKS)

Give a detailed account of the extrusive volcanic land form (20 marks)