



MACHAKOS UNIVERSITY

University Examinations for 2019/2020 Academic Year

SCHOOL OF HUMANITIES AND SOCIAL SCIENCES

DEPARTMENT OF SOCIAL SCIENCES

FIRST YEAR SECOND SEMESTER EXAMINATION FOR

BACHELOR OF EDUCATION (ARTS)

BACHELOR OF ARTS

AGE 102: PHYSICAL GEOGRAPHY I

DATE: 15/12/2020

TIME: 2.00-4.00 PM

INSTRUCTIONS: Answer QUESTION ONE and any other TWO QUESTIONS

QUESTION ONE (COMPULSORY) (30 MARKS)

- a) Outline the main Goals of physical geography (3 marks)
- b) Describe the processes that shape the lithosphere and Explain their source of Energy(4 marks)
- c) Explain the following terms:
 - i. Vulcanicity (1 mark)
 - ii. Faulting (1 mark)
 - iii. Folding (1 mark)
- d) Define the terms:
 - i. Radioactive isotopes (2 marks)
 - ii. Asteroids (2 marks)
 - iii. Half life (2 marks)
 - iv. Pressure gradient force (2 marks)
- e) Explain the two techniques of relative dating method (4 marks)
- f) Describe the two types of seismic waves (2 marks)
- g) Explain the Six properties of plates (3 marks)

- h) Identify the three major categories sedimentary rocks on the basis of mode of formation (3 marks)

QUESTION TWO (20 MARKS)

Critically discuss ANY ONE theory that has been brought forward to suggest the possible origin of both the universe and its major parts.

QUESTION THREE (20 MARKS)

- a) Using a well-illustrated diagram explain how a Seismograph operates (10 marks)
b) Outline the layers in internal structure of the earth (10 marks)

QUESTION FOUR (20 MARKS)

Describe the FIVE stages in the formation of the present continents

QUESTION FIVE (20 MARKS)

- a) Describe the origin of climatology (10 marks)
b) Describe the main components of the atmosphere (10 marks)