



MACHAKOS UNIVERSITY

University Examinations for 2021/2022 Academic Year

SCHOOL OF HUMANTIES AND SOCIAL SCIENCES

DEPARTMENT OF SOCIAL SCIENCES

THIRD YEAR SECOND SEMESTER EXAMINATION FOR

BACHELOR OF EDUCATION

BACHELOR OF ARTS

AGE 308: ARID AND SEMI ARID LANDS

DATE: 9/12/2021

TIME: 2:00 – 4:00 PM

INSTRUCTIONS:

Answer Question One and Any Other Two Questions.

QUESTION ONE (COMPULSORY) (30 MARKS)

- a) Using suitable illustration, discuss aridity and desertification (6 marks)
- b) Discuss the major arid regions found in Kenya (6 marks)
- c) Account for the different types of rock structures found in Kenya (6 marks)
- d) Evaluate the challenges faced by people living in arid regions (12 marks)

QUESTION TWO (20 MARKS)

Describe the major threats of aridity and desertification in tropical environments

QUESTION THREE (20 MARKS)

- a) Account for the spatial and temporal variability of precipitation in different regions (10 marks)
- b) Why is the study of precipitation important? (10 marks)

QUESTION FOUR (20 MARKS)

Account for major impacts of climate change to humanity in Africa

QUESTION FIVE (20 MARKS)

- a) Using illustrations where possible, describe FIVE (5) causes of aridity (10 marks)
- b) Explain FIVE (5) adaptation of vegetation in arid lands (10 marks)