



MACHAKOS UNIVERSITY

University Examinations for 2018/2019 Academic Year

SCHOOL OF HUMANITIES AND SOCIAL SCIENCES

DEPARTMENT OF SOCIAL SCIENCES

THIRD YEAR SPECIAL/SUPPLEMENTARY EXAMINATION FOR

BACHELOR OF EDUCATION (ARTS)

BACHELOR OF ARTS

AGE 308 ARID AND SEMI ARID LANDS

DATE:

TIME:

INSTRUCTIONS: Answer QUESTION ONE and any other TWO QUESTIONS

- 1
 - a). Differentiate between climate variability and climate change (4 marks)
 - b). Explain the causes of aridity in three areas in different continents (9 marks)
 - c). Giving examples, describe three anthropogenic sources of Green House Gases (6 marks)
 - d). what makes different groups of people in ASALs vulnerable to climate risk (5 marks)
 - e). Explain briefly how different communities adapt to climate change (6 marks)
2.
 - a) Examine the main reasons why water supply is becoming a greater problem in arid regions than it was in the past (12 marks)
 - b). What are some of the remedies for overcoming the problem? (8 marks)
- 3
 - a). Examine the main processes that determine the nature of the soils in arid areas (12 marks)
 - b). Discuss the relationship between soils and human activities within arid areas (8 marks)
4. Assess both the physical and human processes which contribute to land degradation in ASALS of East Africa (20 marks)
5. Discuss the circumstances under which ASALS can undergo economic development even if they have severe water shortage (20 marks)