



MACHAKOS UNIVERSITY

University Examinations for 2022/2023 Academic Year

DEPARTMENT OF SOCIAL SCIENCES.

SCHOOL OF HUMANITIES AND SOCIAL SCIENCES

THIRD YEAR SECOND SEMESTER EXAMINATION FOR

BACHELOR OF EDUCATION (SPECIAL NEEDS)

BACHELOR OF EDUCATION (ARTS)

BACHELOR OF ARTS

AGE 308: ARID AND SEMI-ARID LANDS

DATE: 17/3/2023

TIME: 11:00 – 1:00 PM

INSTRUCTIONS:

Answer QUESTION ONE and any other TWO QUESTIONS.

QUESTION ONE (30 MARKS)

- a) Explain the term Climatic Aridity Index (4 marks)
- b) Briefly outline the Seven (7) main attributes that characterize Arid and Semi-Arid Lands (7 marks)
- c) Distinguish Three (3) plant forms found in ASALs (6 marks)
- d) Discuss the contribution of Indigenous Knowledge Systems in Conservation and Management of Arid and Semi-Arid Lands. (5 marks)
- e) Explain the term Integrated Natural Resource Management and its importance in ASALs (8 marks)

QUESTION TWO (20 MARKS)

Discuss the status and potential of Arid and Semi-Arid Lands in Kenya

QUESTION THREE (20 MARKS)

Using appropriate examples discuss Three (3) physical processes of land formation in ASALs

QUESTION FOUR (20 MARKS)

The Commission for University Education has organized a National Inter-University Award Competition on “**The contribution of ASALs to Tourism Sector in East Africa**” Respond to the call

QUESTION FIVE (20 MARKS)

- a) Discuss the causes and consequences of desertification (15 marks)
- b) Provide solutions on how to control/prevent desertification (5 marks)