



MACHAKOS UNIVERSITY

University Examinations For 2021/2022 Academic Year

SCHOOL OF ENVIRONMENT AND NATURAL RESOURCES MANAGEMENT

DEPARTMENT OF ENVIRONMENTAL SCIENCES

FOURTH YEAR SECOND SEMESTER EXAMINATION FOR

BACHELOR OF ENVIRONMENTAL SCIENCE

ENS 437: LAND DEGRADATION AND DESERTIFICATION

DATE: 15/12/2021

TIME: 8.30-10.30 AM

INSTRUCTIONS: Answer question ONE and TWO other questions

QUESTION ONE (30 Marks)

- a) Highlight the key factors that influence land degradation in an area. (10 marks)
- b) Discuss the consequences of desertification on water resources. (10 marks)
- c) Highlight the key dimensions of land degradation in your County. (10 marks)

QUESTION TWO (20 MARKS)

Discuss the strategies you would institute to deal with land degradation in your County.

QUESTION THREE (20 MARKS)

Using a suitable example, discuss the role of the United Nations in addressing land degradation and desertification challenge.

QUESTION FOUR (20 MARKS)

Discuss any four challenges that the Kenyan government faces in dealing with desertification and indicate how to deal with the challenges.

QUESTION FIVE (20 MARKS)

Discuss various ways of incorporating a local community in dealing with land degradation.