



# MACHAKOS UNIVERSITY

University Examinations for 2019/2020 Academic Year

SCHOOL OF HUMANITIES AND SOCIAL SCIENCES

DEPARTMENT OF SOCIAL SCIENCES

FOURTH YEAR FIRST SEMESTER EXAMINATION FOR

BACHELOR OF EDUCATION (ARTS)

BACHELOR OF ARTS

AGE 401: ENVIRONMENTAL CONSERVATION

DATE: 6/12/2019

TIME: 8.30-10.30 AM

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**INSTRUCTIONS: Answer QUESTION ONE and any other TWO QUESTIONS**

## QUESTION ONE (COMPULSORY) (30 MARKS)

- a) Describe the Four (4) main causes of environmental degradation (4 marks)
- b) Distinguish between the terms conservation and preservation (4 marks)
- c) Explain Three (3) reasons for conservation (3 marks)
- d) What are the Four (4) basic conservation principles (4 marks)
- e) Define the term 'Species Extinction' (2 marks)
- f) Distinguish between Bioprospecting and Biosafety Agreements (4 marks)
- g) Identify types of Green House Gases (GHGs) and explain their sources (4 marks)
- h) Explain the Five (5) causes of natural climate change (5 marks)

## QUESTION TWO (20 MARKS)

- a) Of what value is biodiversity to Kenyans (8 marks)
- b) Discuss three (3) factors that contribute to loss of biodiversity and how they can be controlled (6 marks)
- c) Describe man's direct and indirect impacts and consequences to the environment (6 marks)

## QUESTION THREE (20 MARKS)

Discuss any three methods that can be used to solve food shortages in Africa

## QUESTION FOUR (20 MARKS)

Assess the different types of Human-Wildlife Conflicts in Kenya and suggest practical solutions

## QUESTION FIVE (20 MARKS)

Using specific examples from Sub-Saharan Africa, discuss the concepts of natural-determinism, human-determinism, and nature-human determinism.