



# MACHAKOS UNIVERSITY

University Examinations for 2022/2023 Academic Year

**SCHOOL OF AGRICULTURE, ENVIRONMENT AND HEALTH SCIENCES**

**DEPARTMENT OF ENVIRONMENTAL SCIENCES**

**SECOND YEAR FIRST SEMESTER EXAMINATION FOR**

**BACHELOR OF ENVIRONMENTAL STUDIES (COMMUNITY  
DEVELOPMENT)**

**ECD 200: ENVIRONMENTAL ANTHROPOLOGY AND INDIGENOUS  
KNOWLEDGE SYSTEMS**

**DATE:**

**TIME:**

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**INSTRUCTIONS:** Answer question **One (compulsory)** and any other **Two** questions

**QUESTION ONE (COMPULSORY) (30 MARKS)**

- a) Explain the following terms
- i. Indigenous Knowledge (2 marks)
  - ii. Environmental anthropology (2 marks)
  - iii. Archaeology (2 marks)
  - iv. Culture (2 marks)
- b) As an environmental studies and community development student, discuss how knowledge of environmental anthropology will help you in your future career (10 marks)
- c) Discuss six features that make indigenous knowledge appropriate for addressing modern day environmental challenges (12 marks)

**QUESTION TWO (20 MARKS)**

- a) List any five components of culture and with relevant examples show how each is connected to the environment. (10 marks)
- b) Discuss any five functions of culture that are relevant to environmental protection. (10 marks)

**QUESTION THREE (20 MARKS)**

Cultural Determinism holds the opinion that the knowledge humans possess, their perceptions and interpretations about their environments determines their actions towards the environment. Discuss the statement

**QUESTION FOUR (20 MARKS)**

Discuss the sources of human variations and give specific examples on how selected traits have assisted human beings to adapt to various environments

**QUESTION FIVE (20 MARKS)**

Discuss the forms of traditional subsistence economies and show how each contributed to environmental degradation.